



# DUAL GSM TELEPHONE SGH-A288

## OWNER'S MANUAL



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## Safety Precautions

Read these simple guidelines. Failure to comply with them may be dangerous or illegal. For more detailed safety information, see "Safety Information" on page 142.

### Road safety comes first

Do not use a hand-held phone while driving; park the vehicle first. Remember that in some countries, it is illegal to use a hand-held phone while driving.

### Switch off when refuelling

Do not use the phone at a refuelling point (service station) or near fuels or chemicals.

### Switch off in aircraft

Wireless phones can cause interference. Using them on aircraft is both illegal and dangerous.

### Switch off in hospital

Follow any regulations or rules. Switch phone off near medical equipment.

### Respect special regulations

Follow any special regulations in force in any area and always switch off your phone whenever it is forbidden to use it, or when it may cause interference or danger (in a hospital for example).

### Interference

All wireless phones may be subject to radio interference, which may affect their performance.

## Safety Precautions


### Use qualified servicing

Only qualified service personnel must repair equipment.

### Use sensibly

Use only in the normal position (to the ear). Do not touch the antenna unnecessarily when the phone is switched on.

### Emergency calls

Ensure the phone is switched on and in service. Enter the emergency number and press . Give your location. Do not end the call until told to do so.

### Non-Ionising Radiation

No part of the human body should come into contact with the antenna during normal operation.

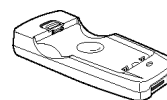
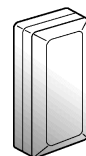
**IMPORTANT!** Only SAMSUNG-approved accessories and batteries should be used with this product. The use of any other power accessory will invalidate any approval or warranty applying to the phone, and may be dangerous.

### CAUTION

Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

## Unpacking

Your package contains the following items.



Phone with case

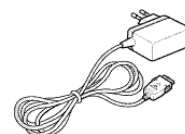
Desktop Cradle



Batteries



Wearable  
EarMicrophone



Travel Adapter



Hand String



String



Owner's Manual

In addition, you can obtain the following accessories for your phone from your local SAMSUNG dealer:

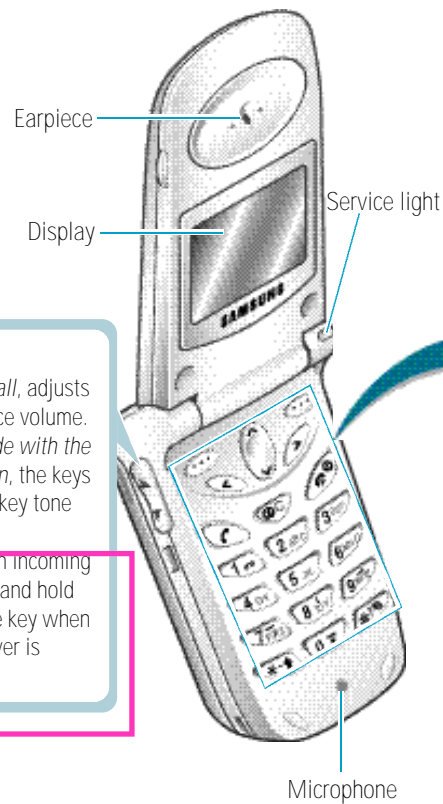
- Cigarette lighter adapter (CLA12)
- Hands-free car kit (HFKN30)
- Slim and Standard batteries (BSL0375, BST0378)
- Data kit (PCD9633)

# Your Phone

## Your Phone

### Phone Layout

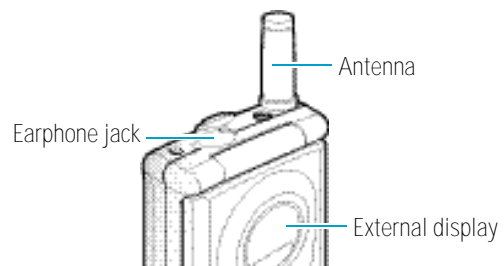
The following illustrations show the main elements of your phone.



#### Volume

*During a call*, adjusts the earpiece volume.  
*In idle mode with the phone open*, the keys adjust the key tone volume.

To reject an incoming call, press and hold the volume key when the flip cover is closed.



#### Key

#### Functions



**Soft keys** perform the functions indicated by the text above them (in the bottom line of the display).



*In the menu facility*, scroll through the menu options and phonebook memory.  
*In idle mode*, performs as a hot key to the several menus respectively.



*When entering a letter*, move the cursor left and right respectively.

## Your Phone

**Key Functions (continued...)**

Deletes characters from the display.  
*In idle mode*, allows you to quick access to the WWW services menu.



Makes or answers a call.  
*In idle mode*, recalls the last number dialled.  
*In the menu facility*, selects a menu function or stores information that you have entered (such as a name) in the phone or SIM memory.



Ends a call. Also switches the phone on and off when pressed and held.  
*In the menu facility*, returns to the idle mode and cancels your input.



Enters numbers, letters and some special characters.

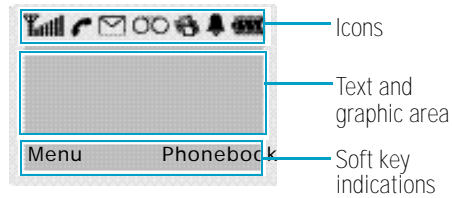


Used for various purposes in different functions.  
 When pressed and held down in idle mode, the # key toggles the alert type from current alert type to vibraton.

## Your Phone

**Display****Display Layout**

The display comprises three areas.



Area	Description
First line	Displays various icons (see below).
Middle lines	Display messages, instructions and any information that you enter (number to be dialled, for example).
Last line	Shows the functions currently assigned to the two soft keys and the divert icon.

## Your Phone

## Icons



**Signal strength** : Shows the received signal strength. The greater the number of bars, the better the signal strength.



**Service**: Appears when a call is in progress.



**New Message**: Appears when a new text message has been received.



**New Voice Mail**: Appears when a new voice mail message has been received.



**Vibrator on**: Appears when the vibrate mode is on. An incoming call will vibrate the phone rather than ring it.



**Alarm on**: Appears when you set an alarm.



**Battery strength**: Shows the level of your battery. The more bars you see, the more power you have left.

## Your Phone

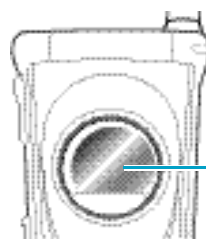
## Backlight

The display and keypad are illuminated by a backlight. When you press any key, the backlight illuminates. It turns off if no key is pressed within a given period of time, depending on the **Backlight** option set in the **Phone Settings** menu. The backlight remains on at all times when the phone is connected to a car kit (optional).

To specify the length of time for which the backlight is active, set the **Backlight** menu option (**5-1-5**); see page 98 for further details.

## External Display

Your phone has an external display on the cover. It also shows Signal strength, Vibrator, and Battery Strength icon. It indicates that you have an incoming call or message and alarms you at the specified time when you set an alarm.



External display

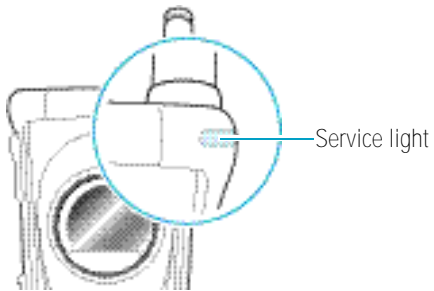


## Your Phone

**Service Light**

The service light is on the top right-hand corner of the phone. It flashes when services are available on the phone.


To activate or deactivate use of the service light, set the **Service Light** menu option (**5-1-6**); see page 99 for further details.



# Getting Started

**Installing the SIM Card and the Battery**

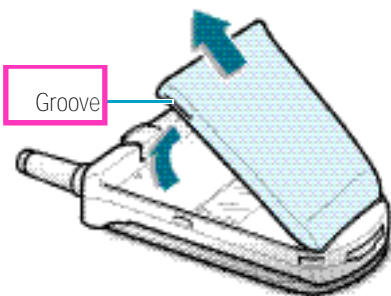
- Keep all miniature SIM cards out of the reach of small children.
- The SIM card and its contacts can easily be damaged by scratches or bending, so be careful when handling, inserting or removing the card.
- Before installing the SIM card, always make sure that the phone is switched off and then remove the battery.

1. If necessary, switch off the phone by holding down  until the closing animation is displayed.
2. Pull/push and hold the catch above the battery on the back of the phone.

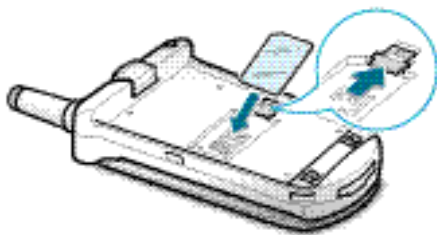


## Getting Started

3. Lift the battery away using the grooves on both sides of the battery.

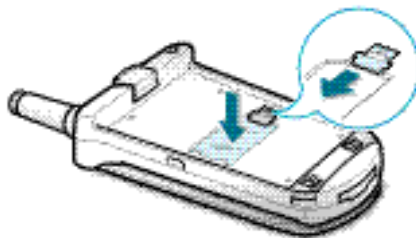


4. Push the SIM card holder in the direction of the arrow and hold it in this position. Insert the SIM card under the two tabs on the left of the phone, ensuring that the cut corner is top left and the gold contact of the card face into the phone.

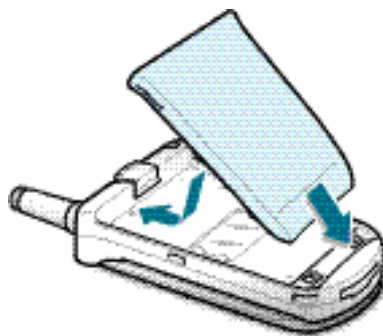


## Getting Started

5. Hold the SIM card down and release the holder to lock it into place.



6. Place the battery back on the phone. First insert the teeth on the bottom of the battery into the corresponding slots, then push the battery against the back of the phone until it clicks into place. Make sure the battery is properly installed before switching on the power.



## Getting Started

## Charging a Battery

Your phone is powered by a rechargeable Li-ion battery. Use only approved batteries and chargers. Ask your local SAMSUNG dealer for further details.

**Note:** You must fully charge the battery before using your phone for the first time. A discharged battery is fully recharged in approximately 100 minutes for a slim battery, 150 minutes for a standard battery.

### Using a Travel Adapter

The phone can be used while the battery is charging.

1. Connect the lead from the travel adapter to the bottom of the phone. Check that the arrow on the lead connector is facing towards the front of the phone.

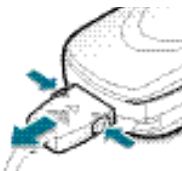


2. Connect the adapter to a standard AC wall outlet.

When the battery is charging, the battery icon in the top right-hand corner of the display fills repeatedly.

3. When charging is finished, disconnect the adapter from the power outlet.

Disconnect the adapter from the phone by pressing the grey tabs on either side of the connector and pulling the connector out.

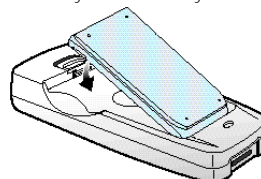


## Getting Started

**Note:** Do not remove the battery from the phone while the travel adapter is being connected to the phone.

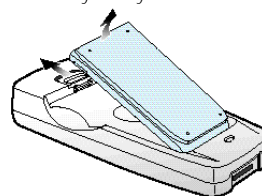
### Using a Battery Charger

1. Connect the lead from the travel adapter to the battery charger.
2. Align the tabs at the bottom of the battery with the corresponding slots in the battery charger and push the battery down until you hear a click.



3. Connect the adapter to a standard AC wall outlet. The LED on the charger indicates the following:  
Red: the battery is charging  
Green: the battery is fully charged.  
Yellow: the battery is not plugged in correctly or operating at a temperature that is too high or too low.
4. When charging is finished, disconnect the adapter from the power outlet.

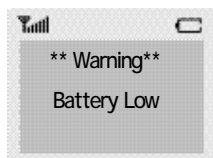
Push up and hold the catch of the battery charger and lift the battery away.



## Getting Started


## Low Battery Indicator

When the battery is weak and only a few minutes of talk time remain, you will hear a warning tone and a message will be repeated at regular intervals on the display:

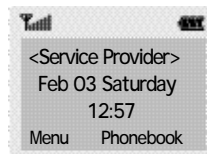


When the battery becomes too weak for the phone operate, it switches off automatically.

## Switching the Phone On/Off

1. Open the phone.
2. Hold down  for more than one second to switch the phone on.
3. If the phone asks for a password, key in the password and press the **Ok** soft key. The password is factory set to 0000. For further details, see page 137.
4. If the phone asks for a PIN, key in the PIN and press the **Ok** soft key. For further details, see page 138.  
When system locates services, the idle screen, illustrated below, is displayed on the main display and the external display respectively.

## Getting Started




&lt;Main display&gt;



&lt;External display&gt;

**Note:** The display language is determined by the SIM card inserted. To change the language, use the **Language** menu option (5-1-3); for further details, refer to page 97.

5. When you wish to switch the phone off, hold down  for more than two seconds.

## Using the Earmicrophone

When you connect the earmicrophone to the jack on the top of the phone, the button on the earmicrophone will operate as below without opening the phone or pressing a key on the phone.


Redialling a last call: Press the button twice in idle mode.

Answering a call: press the button when a call comes in.

Ending a call: press the button during a call.



# Call Functions

## Making a Call

When the idle screen is displayed, key in the area code and phone number and press .

**Note:** If you have set the **Auto Redial** option (5-1-7) to **ON** (see page 99) and the person called does not answer or the line is busy, the number is redialled automatically up to ten times.

## International Calls


1. Press and hold down  for the international prefix. The + character appears.
2. Key in the country code, area code and phone number and press .

## Correcting the Number





### To clear...

### Then...

The last digit displayed

Press the  soft key.

Any other digit in the number


Press  or  key until the cursor (  ) is immediately to the right of the digit to be cleared.  
Press the  soft key.

The whole display

Hold down the  soft key for more than one second.

## Call Functions

## Ending a Call

When you have finished your call, briefly press .

## Making a Call using the Phonebook

You can store the names and phone numbers called regularly in the SIM card and phone memory, called the phonebook. You then simply select the required name to recall the associated number. For further details on the Phonebook feature, refer to page 39.


Quick dialling with the SIM location number press and hold the associated digit key for the SIM location 2 through 9.

## Voice Dialling





If you have set the **Active Folder** option (5-1-10) to **ON** (see page 100), your phone also allows you to say a name when you open the phone. It then automatically dials the number stored with that name. For further details on the Voice Dialling feature, refer to page 84.

## Last Number Redial



The phone stores the last 10 numbers dialled. To recall any of these numbers, proceed as follows.

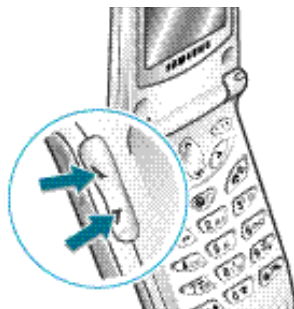
1. If there are any characters on the display, press  to return to idle mode.

## Call Functions

- Press  to access the list of last-dialled numbers.
- Use  or  to scroll through the Redial list until the required number is displayed.
- Press  to dial the number displayed.

## Adjusting the Volume

During a call, if you want to adjust the earpiece volume, use the volume keys on the left side of the phone. Press  to increase and  to decrease the volume.



In idle mode with the phone open, you can adjust the key tone volume using the same keys.


## Call Functions


## Answering a Call




When somebody calls you, the phone rings and the phone icon in the middle of the screen flashes.



If the caller can be identified, the caller's phone number (or name if stored in your phonebook) is displayed. If the caller cannot be identified, **Caller 1** is displayed.

- To answer a call, open the phone. If the phone is already open, press  or the **Accept** soft key.

If the **Any-key Answer** menu option (5-1-4) is set to **ON**, you can press any key to answer a call except for  and the **Reject** soft key (see page 98).

**Note:** To reject an incoming call, press the Reject soft key or . When the phone is closed, press and hold  or  on the left side of the phone.

- End the call by closing the phone or pressing .

**Note:** You can answer a call while using the phonebook or menu features.

## Call Functions

## Viewing Missed Calls

If you are unable to answer a call for any reason, you can find out who was calling you, if this service is available. In this way, you can call the person back, if necessary.

The number of missed calls is displayed on the idle screen immediately after the call was missed.

To view the missed call immediately, proceed as follows.

1. If the phone is closed, open the phone.

2. Press the **View** soft key.

The number corresponding to the most recent missed call is displayed, if available.

3. **To...**

Scroll through the missed calls

Call the number displayed

Edit or delete a missed call number

**Then press the...**



 or  key.

 key.

**Options** soft key (see the following paragraphs).

## Call Functions

## Editing a Missed Call Number

1. Press the **Options** soft key.
2. Press the **Select** soft key.
3. Change the number as required. Press  or  to move back through the number.

4. **To...**

Call the number



Store the number


**Then press the...**

 key.

**Save** soft key and enter the name and location required (for further details, refer to page 35).

## Deleting a Missed Call

1. Press the **Options** soft key.
2. Press  or  to highlight the **Delete** option.
3. Press the **Select** soft key.

You can press  at any time to exit the Missed Call feature.

**Note:** You can access the Missed Call feature at any time by selecting the **Missed Calls** menu option (1-1); for further details, see page 74.

## Call Functions

## In-Call Options



Your phone provides a number of control functions that you can use during a call. To access these functions during a call, press the **Options** soft key.

### Switching the Microphone Off (Mute)

You can temporarily switch your phone's microphone off, so that the other party cannot hear you.



Example: You wish to say something to another person in the room but do not want the other party to hear you.

**To switch the microphone off temporarily, proceed as follows.**

1. Press the **Options** soft key.
2. Press  or  to highlight the **Mute** option.
3. Press the **Ok** soft key.

Your correspondent can no longer hear you.

**To switch the microphone back on, proceed as follows.**



1. Press the **Options** soft key.
2. Press  or  to highlight the **Unmute** option.
3. Press the **Ok** soft key.

Your correspondent can hear you again.

## Call Functions

## Searching for a Number in the Phonebook

You can search for a number in the phonebook during a call.

1. Press the **Options** soft key.
2. Press  or  to highlight the **Phonebook** option.
3. Press the **Ok** soft key.
4. Enter the start of the name that you want to find and press the **Find** soft key.

**Note:** You can also scroll through the phonebook from the beginning, by pressing the **Find** soft key directly.

The phonebook entries are listed, starting with the first entry matching your input. This entry is also highlighted.

5. To review the highlighted entry, press the **View** soft key.

For a more detailed description of the Phonebook feature, refer to page 39.




## Call Functions

## Putting a Call on Hold

You can place the current call on hold whenever you want. You can make another call while you have a call in progress if this service is supported by the network. Of these two calls, one is active and the other is on hold and you can swap between the calls.

To place a call on hold, press the **Option** soft key, and select the **Hold** option. You can reactivate the call whenever you want, by pressing the **Retrieve** soft key.

**To make a call while you have a call in progress, proceed as follows.**


1. Key in the phone number that you wish to dial or look it up in the phonebook.
2. Press  to dial the second call.  
The first call is automatically put on hold.

**Or alternatively, proceed as follows.**

1. Put the current call on hold by pressing the **Options** soft key, followed by the **Hold** option.
2. Make the second call in the normal way.

To swap between the two calls, simply press the **Swap** soft key.

The current call is placed on hold and the call on hold is reactivated so that you can continue conversing with the other party.



When you have finished, end each call normally by pressing .

## Call Functions

## Answering a Second Call

You can answer an incoming call while you have a call in progress, if this service is supported by the network and if you have set the **Call Waiting** menu option (5-2-3) to **Active** (see page 107). You will be notified of an incoming call by a call waiting tone.

To answer a call while you have a call in progress, proceed as follows.

1. Press  to answer the incoming call.  
The first call is automatically put on hold.
2. If you want to switch between the two calls, press the **Swap** soft key.  
  
If you want to end a held call, press the **Options** soft key and select the **End held** option.
3. To end the current call, press .  
Any held calls will automatically be reconnected to you.

## Call Functions

**Making a Multiparty Call**

A multiparty call is a network service that allows up to six people to take part simultaneously in a multiparty or conference call. For more information, contact your service provider.

**Setting up the Multiparty Call**




1. Call the first participant in the normal way.
2. Call the second participant in the normal way. The first call is automatically put on hold.
3. To join the first participant to the multiparty call, press the **Options** soft key and select the **Join** option.
4. To add a new person to the multiparty call, call the person in the normal way, then press the **Options** soft key and select the **Join** option.

You can add incoming callers by answering the call and pressing **Options**, followed by **Join**. Repeat as required.





**Having a Private Conversation With One Participant**

1. Press the **Options** soft key and choose the **Select one** option. The list of call participants appears.

## Call Functions

2. Highlight the required person, by pressing  or , followed by .
3. Select **Private**.  
Now you can talk privately with that person. The other participants can continue to converse with each other.
4. To return to the multiparty call, press the **Options** soft key and select **Join**.  
All the multiparty call participants can now hear each other.

**Dropping One Participant**

1. Press the **Options** soft key and choose the **Select one** option. The list of call participants appears.
2. Highlight the required person, by pressing  or , followed by .
3. Select **Remove**.  
The call is ended with that participant, but you can continue to talk with the other participants.
4. End the multiparty call by closing the phone or pressing .

## Call Functions

### Muting/Sending Key Tones

These options allow you to turn the key tones off or on. If the **Mute keys** option is selected, your phone does not transmit the key tones.

**Note:** To communicate with answering machines or computerised telephony systems, the **Send keys** option must be selected.

### Using the SMS Service

If you receive an SMS (Short Message Service) message during a call, the message icon ( ) flashes in the display.

After you have finished your call, you can read to the message; refer to page 78 for further details.

## Phonebook


You can store phone numbers and their associated names in the memory of your SIM card. In addition, you can store up to 200 numbers and names in the phone memory. The SIM card and phone memories, although physically separate, are used as if they were a single entity, called the Phonebook.

### Storing a Phone Number with a Name

As soon as you start to enter a number, **Save** appears above the left soft key to allow you to store the number in the phonebook.





1. Key in the number to be stored.
2. When you are sure that it is correct, press the **Save** soft key.

#### Notes:

- If you make a mistake while entering a number, correct it using the **←** soft key. For further details, refer to page 22.
- To insert a dialling pause for special phone services, such as banking by phone, hold down . 'P' is displayed to indicate the pause.

3. Enter the associated name (the maximum length depends on your SIM card). For information on how to enter a name, see page 41.
4. When you are satisfied, press the **Save** soft key. The phone now displays the first free location in the SIM card for you to save the number and name. If the card memory is full, the first free location in the phone memory is displayed.

## Phonebook



5. Press the right soft key to toggle between the phone (**To Phone**) and card (**To Card**) memories.
  6. If you do not want to save the number and name in the suggested location, press  to clear the location number and enter your preferred location by pressing the number keys.
  7. Press **Ok** to store the name and number.
  8. You can access the phonebook options by pressing the **Options** soft key, or scroll through the memory with  or .
- To exit, press .

## Phonebook Options

When storing or viewing a number in the phonebook, **Options** appears above the left soft key to allow you to access the phonebook options, described in the following paragraphs.

### Accessing the Options

To access the various phonebook options, proceed as follows.

1. Press the **Options** soft key.  
The first available option is highlighted.
2. Press the **Select** soft key to select the highlighted option. Or, press  or  key one or more times until the required option is highlighted to highlight a different option.

## Phonebook

### Voice Record

**Note:** This option appears only when no name has been recorded.

Allows you to add a voice tag to the number.

Follow the instructions given by your phone to record the required name.

### Play Voice

**Note:** This option appears only when you have already recorded some names.

Plays back the names that you have recorded.



### Voice Delete

**Note:** This option appears only when you have already recorded some names.

Allows you to delete a specific voice entry.

You are asked to confirm the deletion by pressing the **Ok** soft key.

### Paste

Allows you to paste the phonebook number into the normal dialling mode. Use this option to dial a number similar to one in the phonebook (a different extension in the same office for example). Use the  soft key to change the number as required (refer to page 22 for further details). When you are ready to dial, press .

## Phonebook

**Edit**

Allows you to edit a number and name stored in the phonebook.

**Erase**

Allows you to erase a number and name stored in the phonebook. You are asked to confirm that you wish to erase the name and number from the phonebook by pressing the **Yes** soft key.

**Copy**

Allows you to copy a phonebook number to another location. Use this option to store a number similar to one already in memory; once copied, edit the number and store it into another location on the SIM card or in the phone memory.

**Memory Status**

You can check how many names and phone numbers are stored and how many locations are still free in the card memory and phone memory.

**Alert**

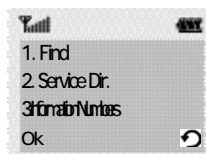
Allows you to set a ringing tone on a number stored by the phone. You can select the required ringing tone from several tones. When this number calls you, the phone rings with this ringing tone.



## Phonebook

**Searching for and Dialling a Number in the Phonebook**

1. When the idle screen is displayed, press the **Phonebook** soft key.
2. If your SIM card provides with Service Dialling Number (SDN) and Information Numbers services, you will see the following screen.

If your SIM card does not provide these services, go to step 3.



Select **Find** pressing  or  if necessary and press the **Ok** soft key.

- **Service Dir.:** enables you to view the Service Directory and make calls from it.
- **Information Numbers:** enables you to see the Information Numbers in a tree structure and make a call with the number.

**Note:** Service Dir. and Information Numbers options may not appear depending on your SIM card.

## Phonebook

3. Enter the start of the name that you want to find and press the **Find** soft key.

**Note:** You can also scroll through the phonebook from the beginning, by pressing the **Find** soft key directly.



The phonebook entries are listed, starting with the first entry matching your input. This entry is also highlighted.

4. **To...** **Then press the...**

View the highlighted entry


**View** soft key.

Select a different entry

 or  key one or more times until the required entry is highlighted.

Look for a name starting with a different letter

Key labelled with the required letter.

5. Once you have found the required entry, press  to dial the number.

## Entering Text

The phone allows you to enter characters for messages and names in Chinese and English. To enter Chinese text, the phone provides several widely used pronunciation based (Pinyin) and character shape based (Stroke) input methods to meet the preferences of different users, allowing for greater convenience and ease of use.

You can also enter any combination of Chinese characters, alphabets, numbers, and special symbols including punctuation marks.

The following text input modes are available on your phone:

- Pinyin mode **智能拼音**
- Chinese Simplified Stroke mode **简体中文笔画**
- Quick English mode **智能英文**
- English mode **基本英文**
- Chinese Traditional Stroke mode **繁体中文笔画**
- Number mode **数字**
- Symbolic mode **特殊符号**

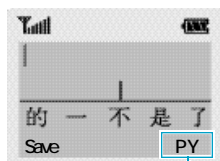
Directions for using each of the text input modes appears later in this section.

 is a registered Trademark of Tegic Communications, Inc. and is licensed under U.S. Patent 5,818,437/ 5,953,541/ 6,011,554.

## Entering Text

## Changing Text Input Mode

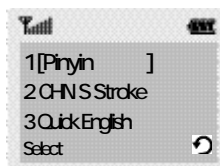
When you are in a field that allows character entry, you should notice the text input mode indicator in the bottom of the display.




Text mode indicator

To change to another text input mode:

1. Press the right soft key, indicating the text input mode.



2. Scroll to the desired mode with  or .

**Note:** If you want to exit the menu without changing to a new mode, press the right  soft key.

## Entering Text

3. To select the displayed mode, press the **Select** soft key.
4. You will find the selected text input mode indicator in the bottom of the display.

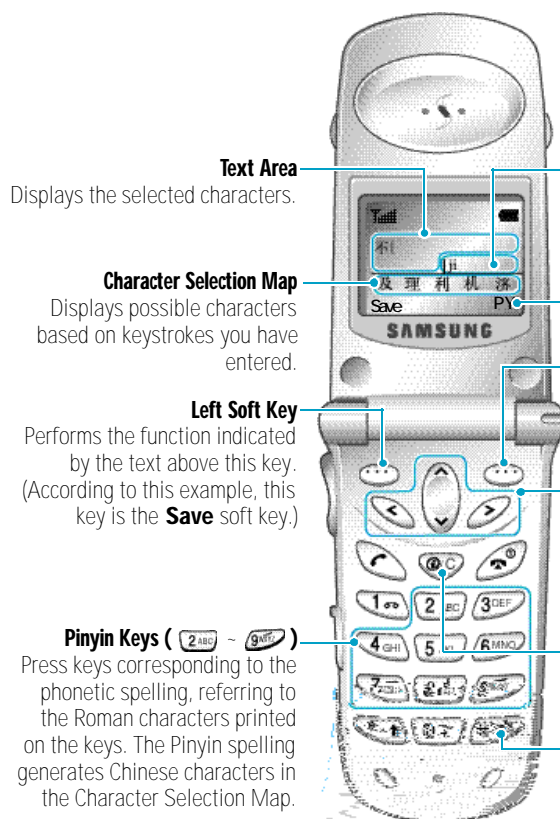


Currently selected mode

## Entering Text

## Pinyin(智能拼音) Mode

Pinyin is a system to mark Chinese pronunciation in Latin alphabets. With the pinyin input method, you can enter Chinese characters by keying in the pinyin string from the phone keypad and the phone automatically presents the matching alternatives.



## Entering Text

This mode allows you to enter Pinyin characters with only one key press per letter. When the phone is in the Pinyin mode, keys behave as follows:

**Keystroke Area**

Displays the keystrokes you have entered to compose the current character selections.

**Mode Indicator**

Displays the current text input mode.

**Right Soft Key**

Performs the function indicated by the text above this key. (According to this example, this key is the Mode soft key.)

**Scroll Keys**

< and > move the cursor left or right through your text message. ^ and v scroll through choices in the Character Selection Map and scrolls through text modes available when you access the Mode change menu.

**Clear Key**

Deletes keystrokes from the Keystroke Area and/or characters from the Text Area.

**Tone and Space Key**

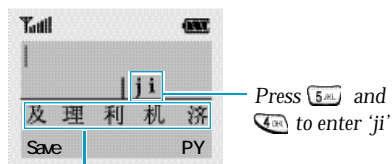
Inserts a space in the Text Area. With characters in the Keystroke Area, press this key to specify tone. A tone menu displays.



## Entering Text

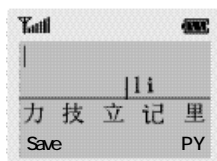
## Typing Characters in Pinyin Mode

1. Press keys corresponding to the phonetic spelling, referring to the Roman letters printed on the keys. Notice that the choices in the Character Selection Map change.

**Example: Typing 力 in Pinyin mode**

The Character Selection Map.

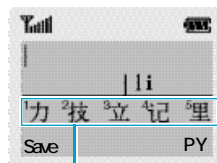
2. To scroll through choices in the Character Selection map, press . To move back, press .



When the character you are typing appears in the Character Selection Map, you may select it, without completing the Pinyin spelling or entering the tone for the character.

## Entering Text

3. To select a character, press to activate the Character Selection Map. A number (1 to 5) is added to the beginning of a corresponding character. With the Character Selection Map being activated, a normal press on to selects the corresponding character.



Press to select 力 with the Character Selection Map being activated.

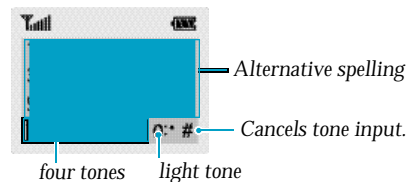
**Notes:**

- To insert a space when entering a text, press when the cursor blinks in the Text Area.
- To scroll through the Character Selection Map, press or on the left side of the phone.
- To remove the activate character in the Character Selection Map, press .

## Using Tone Key in Pinyin Mode

Entering the tone of a character you are typing narrows the number of choices in the Character Selection Map. Entering the tone for a character is optional, but it is especially useful if the Pinyin spelling is similar between characters. To enter the tone of a character, proceed as follows:

1. Enter the Pinyin spelling. For example, press , , to get 'yao'. Then, press to display a Tone menu. The display shows alternative Pinyin spelling and the four tone keys.



2. Press keys to to associate a tone with the character. Pressing associates the light with the character. For example, press to associate the first tone. You can also press to to select an alternative Pinyin spelling.



3. Continue viewing and selecting the desired Chinese character from the Character Selection Map as described on page 46.

## Notes:

- You may delete a previously entered tone by pressing .
- To exit the Tone menu without making a selection, press .

## Scrolling

- To move the cursor left or right through your text message, press or .

## Clearing Strokes and Characters

Press one or more times to remove strokes to the left. Once the Stroke Area is empty, pressing removes characters from the Text Area.

## Rapid Character Entry

Rapid character entry is easy in any mode, using the Character Selection Map. As you enter characters, your phone predicts the next character you might want and presents choices in the Character Selection Map area. When a desired character appears, you may select it as described on page 46.

For example, if you type the word “zhong guo (中國)” using the following keystrokes: , , , , , , you do not have to complete the Pinyin spelling to include “guo (國)”. With no extra typing, “” is displayed conveniently in the Character Selection Map for you to choose.

## Chinese Stroke( 中文笔画 ) Mode

This mode allows you to enter individual Chinese strokes, in written order - from top to bottom, and from left to right. Your phone provides **Chinese Simplified Stroke** mode and **Chinese Traditional Stroke** mode.

### Text Area

Displays the selected characters.

### Left Soft Key

Performs the function indicated by the text above this key. (According to this example, this key is the **Save**

### Scroll Keys

< and > move the cursor left or right through your text message. ^ and v scroll through choices in the Character Selection Map and scrolls through text modes available when you access the Mode change menu.

## Entering Text

Even though there are many different strokes used to create Chinese characters, the strokes are classified into 5 basic categories: heng, shu, pie, dian and zhe. The basic strokes are printed on the keypad.

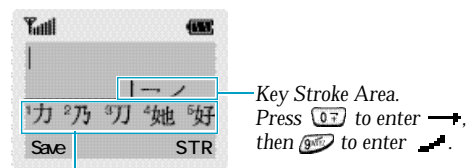
To enter a stroke, press the key printed with the stroke that most closely represents the exact stroke you desire. The table shows the stroke/key relationship:

Categories	Keys	Strokes Represented in Each Category
一	7 (G)	一
丨	8 (H)	丨
丿	9 (P)	丿
丶	4 (U)	丶
㇏	0 (Z)	㇏

## Entering Text

## Typing Strokes and Characters in Stroke Mode





1. To type a character, press keys corresponding to its component strokes. Press keys on the handset in the order that you would write the strokes, using one press per desired stroke.


**Example: Typing (力) in Stroke mode**

The Character Selection Map.  
To select 力, press 9.

2. The phone displays your strokes in the Key Stroke Area and offers character choices in the Character Selection Map. As you enter strokes, notice that the choices in the Character Selection Map change. To scroll through choices in the Character Selection Map, press 6. (To move back, press 5.)



## Entering Text

3. When the character you are typing appears in the Character Selection Map, you may select it without finishing the stroke sequence for the character. Characters displayed in the Character Selection Map correspond to keys  to  on the keypad. To select a character from the Character Selection Map and add it to your message, press the corresponding key  to .

**Note:** If you are uncertain of the order of one or more strokes, press  in place of each questionable stroke. Continue entering strokes until the character is displayed in the Character Selection Map or until you have finished the character.

## Entering Text




## Clearing Strokes and Characters

Press  one or more times to remove strokes to the left. Once the Stroke Area is empty, pressing  removes characters from the Text Area.

## Rapid Character Entry

Rapid character entry is easy in any mode, using the Character Selection Map. As you enter characters, your phone predicts the next character you might want and presents choices in the Character Selection Map area. When a desired character appears, you may select it as described above.

In most cases, you will see the desired character in the Character Selection Map area before you have entered all of the strokes to build it.

For example, try typing the twelve stroke character pair “中國” using the following keystrokes: , , . Even though “中國” is a twelve stroke character pair, your phone enables you to type it in only three key presses!

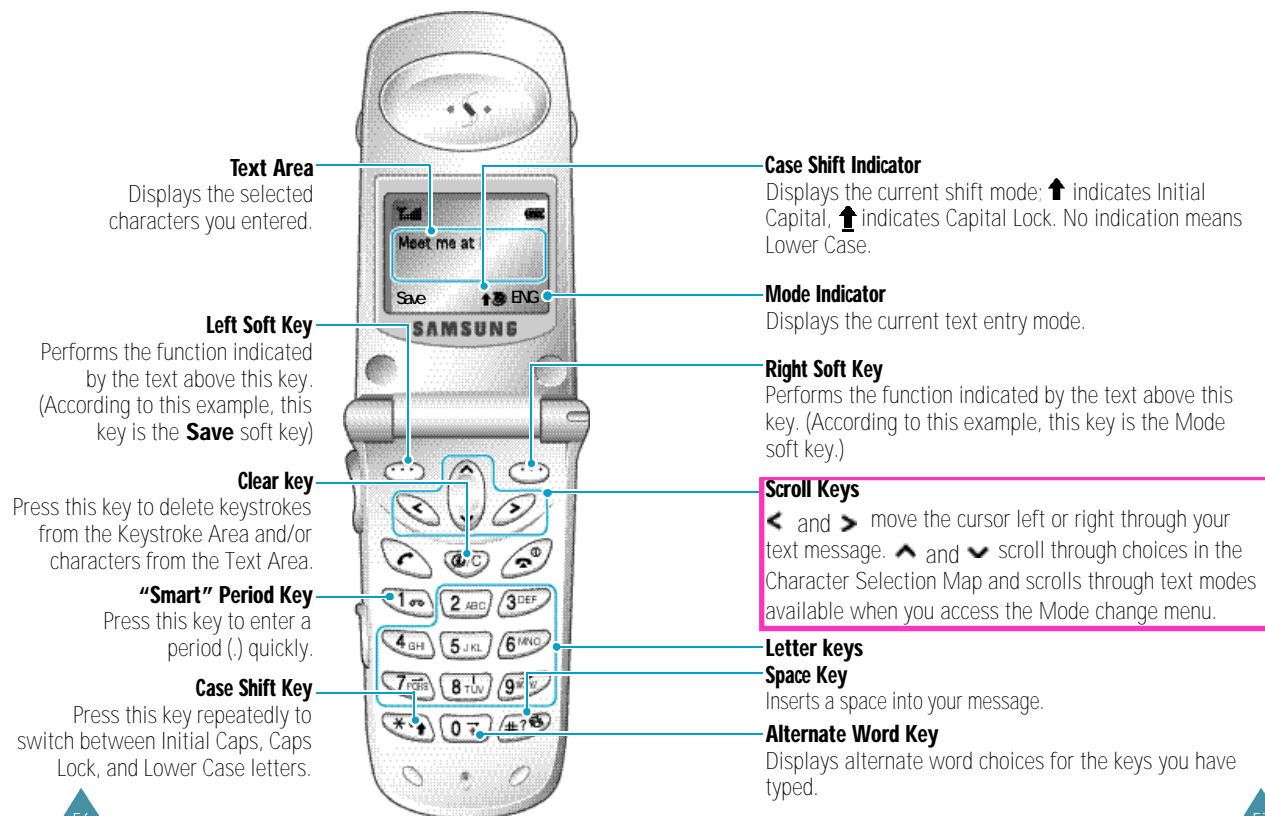
## Entering Text

## Quick English( 智能英文) Mode

This mode allows you to enter English words with only one keypress per letter. Each key on a keypad has more than one letter - a single press on the **5** key could be J, K, or L. The **Quick English** mode automatically compares your key presses to an internal **Quick English** linguistic database to determine the correct word.

The mode requires far fewer keystrokes than the traditional multi-tap method; **English** mode.







When the phone is in the **Quick English** mode, keys behave as follows:






## Entering Text

## Typing English Words

To type a word, press keys corresponding to the letters you need. Remember the following as you are typing:




1. Press keys on the handset just once per desired letter. For example, to enter 'hello', press , , , , .
2. The word you are typing appears in the display. It may change with each key you press.
3. Type to the end of the word before editing or deleting any keystrokes.
4. Complete each word with a space by pressing .

If the word that appears in the display is not the word that you desire, press  one or more times to display alternate word choices for the keys you have typed. (For example, 'of' and 'me' both shares the sequence , . The phone displays the most commonly used choice first.)

To type words not found in the phone database, change the text input mode to English mode.

## Entering Text




## Upper Case Letters

There are three shift states: Lower Case (no shift indicator), Initial Cap ( indicator appears), and Caps Lock ( indicator appears). Press  one or more times to display the appropriate shift indicator, and begin typing normally.




Shift indicator

## Scrolling

- To move the cursor left or right through your text message, press  or .
- To scroll through alternate word choices for the keys you have entered, press .

## Clearing Letters and Words

Press  one or more times to remove letters to the left. Press and hold  to erase entire words.

## Entering Text

## English(基本英文) Mode

When typing in English mode, you should press key labelled with the required character:

- Once for the first character
- Twice for the second character
- and so on.


For example, you press **2** three times quickly to display the character "C", **5** two times quickly to display the character "L". So, this method is called Multi-tap typing.



Refer to the table below for the list of characters assigned on each key.

### List of characters available:

Key	Characters in the Order Displayed	
	Upper Case	Lower Case
1	: ; ' ¨ j 1 = * /	. , ? ! 1 - ' @ :
2	A B C 2 Ä Å Æ	a b c 2 ä å æ ç
3	D E F 3 É	d e f 3 è é
4	G H I 4	g h i 4 ì
5	J K L 5	j k l 5
6	M N O 6 Ñ Ò Ó	m n o 6 ñ ò ó
7	P Q R S 7	p q r s 7 ß
8	T U V 8 Ü	t u v 8 ü
9	W X Y Z 9	w x y z 9
0	0 * < > % # £	0 + ( ) & _ \$

## Entering Text

To shift the case of the next character(s) that you type, press  one or more times. There are three shift states:

Lower Case has no indicator, Initial Capital is indicated by  in the display, and Capitals Lock is indicated by .

The cursor moves to the right when you press a different key. When entering the same character twice (or a different character on the same key), just wait for a few seconds for the cursor to move right automatically, and then select the next character.



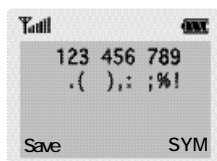
## Entering Text



**Number(数字) Mode**

Number mode enables you to enter numbers into a text message. Press keys corresponding to the desired digits, and manually switch back to the text entry mode of choice.



**Symbolic(特殊符号) Mode**

Symbolic mode enables you to enter symbols into a text message.



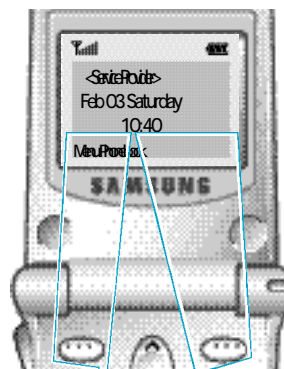
To scroll through the symbols available, press  or . Press the keys corresponding to the desired mark, then the phone automatically switches back to the text entry mode used just prior to selecting Symbolic mode.

## Selecting Functions and Options

Your phone offers a set of functions that allow you to customise your phone. These functions are arranged in menus and sub-menus, accessed via the two soft keys (  and  ). Each menu and sub-menu allows you to view and alter the settings of a particular function.

The roles of the soft keys vary according to the current context; the label on the bottom line of the display just above each key indicates its current role.

Example:



Press the left soft key to access the Menu functions.

Press the right soft key to access the Phonebook feature.

## Selecting Functions and Options

To view the various functions/options available and select the one required, proceed as follows.

1. Press the appropriate soft key.

2. **To...**

**Then press the...**

Select the:

- Function displayed
- or
- Option highlighted

View the next function or highlight the next option in a list

 key.

Move back to the previous function or option in a list


 key.

Move back up one level in the structure

Right soft key.

Exit the structure without changing the settings

 key.


In some functions, you may be asked for a password or PIN. Enter the required code and press .

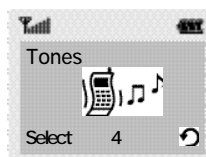
## Selecting Functions and Options

### Example: Selecting a Ring Tone

1. When the idle screen is displayed, press the **Menu** soft key to enter the menu facility.




2. Scroll through the menus until you reach the **Tones** menu, by pressing .

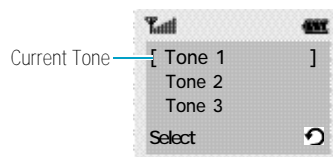






3. To select the **Tones** menu, press the **Select** soft key (or .



## Selecting Functions and Options

4. To select the **Ring Tone** menu, press the **Select** soft key (or ). The current setting is highlighted within square brackets.









5. Scroll through the list of tones until the appropriate one is highlighted, by pressing  or . You hear the corresponding ring tones as you scroll.
6. Press the **Select** soft key to confirm your selection.
7. Press the  soft key twice to exit the menu structure or press .

## Using the Menu



The phone offers a range of functions that allows you to tailor the phone to your needs. These functions are arranged in menus and submenus.

The menus and submenus can be accessed by scrolling or by using the shortcuts.

### Accessing a Menu Function by Scrolling

1. In idle mode, press the **Menu** soft key to access the menu facility. Scroll with  or  to reach the desired main menu, for example **Tone**. Press the **Select** soft key to enter the menu.
2. If the menu contains any submenus: for example, **Ring Tone**, find the one you want by scrolling with  or . Press the **Select** soft key to enter the submenu.  
  
If the menu you have selected contains submenus, repeat this step.
3. Scroll with  or  to find the setting of your choice. Press the **Ok** soft key to confirm the chosen setting.

#### Notes:

- You can return to the previous menu level by pressing the  soft key.
- You can exit the menu without changing the menu settings by pressing .

Using the Menu

# Accessing a Menu Function by Using its Shortcut

The menu items (menu, submenus and setting options) are numbered and can be accessed quickly by using their shortcut number.

1. In idle mode, press the **Menu** soft key.
2. Within three seconds, key in the first digit of the shortcut number. Repeat this for each digit of the shortcut number.

Example: Setting the **Any-key Answer** function

Press the **Menu** soft key, and key in **5**, **1**, **4**, **2**.

**Menu** for entering the menu, **5** for **Settings**, **1** for **Phone Settings**, **4** for **Any-key Answer** menu function and **2** to set the Any-key Answer **ON**.

**Note:** The numbers assigned to each menu function are indicated on the list on page 69. They may not match the menu number on the phone. It depends on the services supported by the SIM.

Using the Menu

# List of Menu Functions

The list shows the menu structure available and indicates the:

- Number assigned to each option
- Page on which you can find a description of each feature

**Note:** You can only see menu 0, if your SIM card supports **SIM Application Toolkit**. This is a network feature. Please contact your service provider for more information.

## 1. Call Records

- 1-1 Missed Calls
- 1-2 Received Calls
- 1-3 Dialed Calls
- 1-4 Call Time
  - 1-4-1 Last Call Time
  - 1-4-2 Total Sent
  - 1-4-3 Total Received
  - 1-4-4 Reset Timers
- 1-5 Call Cost <sup>1</sup>
  - 1-5-1 Last Call Cost
  - 1-5-2 Total Cost
  - 1-5-3 Max Cost
  - 1-5-4 Reset Counters
  - 1-5-5 Set Max Cost
  - 1-5-6 Price/Unit

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<sup>1</sup> Shown only if supported by your SIM card.

## Using the Menu

**2. Messages**

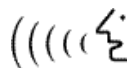
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- 2-1 Voice Mail
  - 2-1-1 Connect to Voice Mail
  - 2-1-2 Voice Server Number
- 2-2 Read Messages
- 2-3 Write Messages
- 2-4 Preset Message List
- 2-5 Setup
  - 2-5-1 Service Centre
  - 2-5-2 Default Type
  - 2-5-3 Default Validity
- 2-6 Broadcast
  - 2-6-1 Read
  - 2-6-2 Receive
  - 2-6-3 Channel List
  - 2-6-4 Language

**3. Voice Functions**

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- 3-1 Voice Dial
  - 3-1-1 Record
  - 3-1-2 Act
  - 3-1-3 Delete One
  - 3-1-4 Play All
  - 3-1-5 Delete All
- 3-2 Voice Command
  - 3-2-1 Record
  - 3-2-2 Act
  - 3-2-3 Play All
  - 3-2-4 Delete All
- 3-3 Voice Memo
  - 3-3-1 Record
  - 3-3-2 Replay
  - 3-3-3 Delete One
  - 3-3-4 Delete All
- 3-4 AnswerPhone
  - 3-4-1 Answer Phone
  - 3-4-2 Message Record
  - 3-4-3 Message Select

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## Using the Menu

**4. Tones**

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- 4-1 Ring Tone
- 4-2 Melody Composer
- 4-3 Ring Volume
- 4-4 Alert Type
- 4-5 Keypad Tone
- 4-6 Message Tone
- 4-7 Error Tone
- 4-8 Minute Minder
- 4-9 Connect Tone

**5. Settings**

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- 5-1 Phone Settings
  - 5-1-1 Greeting Message
  - 5-1-2 Own Number <sup>1</sup>
  - 5-1-3 Language
    - 5-1-3-1 Text Language
    - 5-1-3-2 Voice Language
    - 5-1-3-3 Input Mode
  - 5-1-4 Any-key Answer
  - 5-1-5 Backlight
  - 5-1-6 Service Light
  - 5-1-7 Auto Redial
  - 5-1-8 Auto Answer
  - 5-1-9 Caller ID
  - 5-1-0(5-1-10) Active Folder
  - 5-1-\*(5-1-11) Reset Settings
  - 5-1-#(5-1-12) Active Line <sup>1</sup>
- 5-2 Network Services
  - 5-2-1 Call Diverting <sup>2</sup>
  - 5-2-2 Call Barring <sup>2</sup>
  - 5-2-3 Call Waiting <sup>2</sup>
  - 5-2-4 Network Selection
  - 5-2-5 Line Identification <sup>2</sup>
  - 5-2-6 Closed User Group

<sup>1</sup> Shown only if supported by your SIM card.<sup>2</sup> May not be shown or supported by your network service provider.

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## Using the Menu

**5. Settings (continued)**

- 5-3 Security Settings
  - 5-3-1 PIN Check
  - 5-3-2 Change PIN
  - 5-3-3 Phone Lock
  - 5-3-4 Change Password
  - 5-3-5 SIM Lock
  - 5-3-6 FDN Mode <sup>1</sup>
  - 5-3-7 Change PIN2 <sup>1</sup>
- 5-4 LCD Contrast
- 5-5 Browser Settings <sup>2</sup>
  - 5-5-1 Proxy Settings
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**6. Organizer**

- 6-1 Scheduler
- 6-2 Alarm
- 6-3 Calculator
- 6-4 To Do List
- 6-5 Calendar
- 6-6 World Time
- 6-7 Clock
  - 6-7-1 Set Time
  - 6-7-2 Set Date
  - 6-7-3 Format

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<sup>1</sup> Shown only if supported by your SIM card.<sup>2</sup> May not be shown or supported by your network service provider.

## Using the Menu

**7. Games**

Page 127

Using this menu you can enjoy popular games with the phone.

**8. WWW Services**

Page 128

The contents on the browser may vary depending on the service provider.



# Call Records



Via this menu, you can view the phone calls:

- Missed
- Received
- Dialed

The number and name (if available) are displayed together with the date and time at which the call was made. You can also view call times and costs.

## Missed Calls

Menu 1-1

Lets you view the last 10 unanswered calls. You can also:

- Edit the number if available and dial it or save it in the phonebook
- Delete the number from the list

## Received Calls

Menu 1-2

Lets you view the last 10 phone calls received. You can also:

- Edit the number if available and dial it or save it in the phonebook
- Delete the number from the list

## Call Records

### Dialed Calls

Menu 1-3

Lets you view the last 10 numbers dialed.

You can also:

- Edit the number and save it in the phonebook
- Redial the number
- Delete the number from the list

### Call Time

Menu 1-4

Lets you view the timers for calls made and received. The following timers are available.

**Last Call Time:** length of the last call.

**Total Sent:** total length of all calls made since the timer was last reset.

**Total Received:** total length of all calls received since the timer was last reset.

You can use the **Reset Timers** option to reset the call timers; you must first enter the phone password (see page 137) and then press the **Ok** soft key.

**Note:** The actual time invoiced for calls by your service provider may vary, depending on network features, rounding-off for billing purposes, and so forth.

## Call Records

### Call Cost

Menu 1-5

This network feature lets you view the cost of calls. The following options are available.

**Last Call Cost:** cost of the last call made.

**Total Cost:** total cost of all calls made since the cost counter was last reset. If the total cost exceeds the maximum cost set via the **Set Max Cost** option, you will no longer be able to make any calls until you reset the counter (does not affect calls to the emergency services).

**Max Cost:** maximum cost set via the **Set Max Cost** option (see below).

**Reset Counters:** option used to reset the cost counter; you must first enter your PIN2 (see page 138) and then press the **Ok** soft key.



**Set Max Cost:** option used to enter the maximum cost that you authorise for your calls.

**Price/Unit:** option used to set the cost of one unit; this price per unit is applied when calculating the cost of your calls.

## Messages



Your phone receives voice mail notification messages, and text messages. Voice mail and short message service (SMS) are network service. Please contact your service provider for more information.

When the  icon appears, you have received new messages. When the  icon appears, you have received voice mail. If the message memory is full, an error message is displayed and you cannot receive any new messages. Use the **Delete** option in the **Read Messages** menu (2-2) to delete obsolete messages.


### Voice Mail

Menu 2-1

This menu provides you with a quick way of accessing your voice mailbox (if provided by your network).

#### Connect to Voice Mail

Before using this feature, you must enter the voice server number obtained from your service provider (see the following page). You can then select this option and simply press the **Ok** soft key to listen to your messages.

**Note:** If you press and hold  when the phone is in idle mode, you can access your voice mail server directly.



## Messages

### Voice Server Number

You can change the voice mail server number.

#### To...

Enter the server number

Recall a number in the phonebook

Correct a digit

Move the cursor without clearing the digit

#### Then press the...

Corresponding number keys.

**PhoneBook** soft key.

← soft key.

↶ or ↷ key.

**Note:** See page 35 for instructions on how to use the phonebook.

### Read Messages

Menu 2-2

When the **Read Messages** menu is selected, the header of the first message is displayed:

- Message number
- Message status (New, Old, Not sent, Sent)

To view this message, press the **View** soft key. The screen shows the:

- Sender's phone number (if sent with the message)
- Date and time at which the message was received
- Message text

## Messages

To scroll through the messages, press ↶ or ↷. You can choose the following options, by pressing the **Options** soft key.

**Text Reply:** allows you to reply by sending a text message. You can also:

- Change the SMS centre number (if required)
- Send the message
- Save and send the message
- Save but not send the message

**Call back:** allows you to call the sender back.

**Delete:** allows you to delete obsolete messages.

**Cut Number:** allows you to extract a number from the message text, so that you can call the number or save it in the phonebook.

**Send:** allows you to send a message that you have not already sent.

**Send again:** allows you to resend a message that you have already sent.

**Note:** The options available vary, depending on the message status (New/Old, Not sent, Sent).

## Messages

**Write Messages**

Menu 2-3

Within the **Write Messages** menu you can write and edit text messages of up to 160 characters.

1. In the **Messages** menu, scroll to the **Write Messages** and press the **Select** soft key.
2. Key in a message. For details on how to enter text, refer to page 41.
3. After you complete the message, you can select the following options.

**Send Only:** allows you to:

- Enter the required destination
- Enter or change the SMS centre number
- Select the message format (Text, Voice, or Fax)
- Set the time period for which the message is stored at the message centre while attempts are made to deliver it

**Note:** If you have set up the **Setup** menu (see page 81), your phone only prompts you for the destination.



**Save and Send:** allows you to save a copy of the message and then send the message to the required destination. You can read the message using the **Read Messages** option. 'Sent' is displayed when you read the message to indicate the message state.

**Save Only:** allows you to save the message so that it can be sent later. When you read the message, 'Not sent' is displayed.

## Messages

**Preset Message List**

Menu 2-4

Using this menu, you can preset up to five messages that you use most frequently. This menu shows the preset message list. Scroll through the list using  or . When the required message number appears, press the **Options** soft key.

The following options are available.

**Edit:** allows you to write a new message or edit the selected preset message.

**Note:** For further information on how to enter text in your message, refer to page 41.

**Send Message:** allows you to recall the selected preset message. Once you have completed the message, you can send, save and send, or simply save it.

**Delete:** allows you to delete the selected preset message.

**Setup**

Menu 2-5

Via this menu, you can set up default information on the SMS feature.

**Service Centre:** allows you to store or change the number of your SMS centre required when sending text messages. You must obtain this number from your service provider.

**Default Type:** allows you to set the default message type (Text, Voice, Fax, X.400, Email, and ERMES). The network can convert the message into the selected format.

**Default Validity:** allows you to set the default time period for which your messages are stored in the SMS centre while attempts are made to deliver them.

Possible values are one hour, 6 hours, 24 hours, one week and the maximum authorised by your service provider.

## Broadcast

*Menu 2-6*

This network service allows you to receive text messages on various topics, such as the weather or traffic. Messages are displayed immediately they are received, provided that:

- The phone is in the idle mode
- The **Receive** option is set to **Enable**
- The message channel is currently active in the channel list

If the message is long, press  on the left side of the phone one or more times.

# Voice Functions

You can use the Voice feature to customize various settings, such as the:

- Voice Dial
- Voice Command
- Voice Memo
- AnswerPhone

## Voice Dial

Menu 3-1

The voice dialling feature allows you to make phone calls by saying a voice tag that has been added to a desired name and phone number. Any spoken word, for example a name, can be a voice tag.

Before using voice dialling, note that:

- Voice tags are not language dependent. They are dependent on the speaker's voice.
- The voice tags are sensitive to background noise. Where possible, record voice tags or make calls in a quiet environment.
- When recording a voice tag or making a call, hold the phone in the normal position close to your ear.
- The maximum length for a voice tag recording is about 1.5 seconds, but very short names are not recorded
- You can store up to twenty voice tags in the phone's memory.

## Voice Functions

### Voice Dial Record

Allows you to record name tags and allocate them to numbers for voice dialling.

Say the name you want to use for voice dialling after you hear a voice prompt. For best results, use names with at least two syllables, or use both a first and last name. The phone stores the name as a "first" sample, and then prompts you to say the name again.

Respond to the prompt by repeating the name. The phone stores the name as a second sample and then requests the phone number.

To store the number, press the **Ok** soft key. Follow the instructions described on page 35 to complete storing number into your internal phonebook.

### Voice Dial Act

This option activates voice dialling.

You hear a voice prompt and **Say Name** is displayed. Say the voice tag clearly. If no match for the voice tag is found or recognized, the phone may ask you to try again. The phone automatically dials the number of the recognized voice tag.

**Note:** This option is only available once you have recorded and store voice tags.

## Voice Functions

**Voice Dial Delete One**



Allows you to delete an individual voice tag. The corresponding phone number remains in the phonebook but the voice tag is deleted.

**If the name displayed is... Then press the...**

To be deleted

**Ok** soft key.

Not to be deleted

 or  key.  
The next name is displayed.

To exit the **Voice Dial Delete One** option, press the  soft key.

**Voice Dial Play All**

Allows you to play back all recorded voice tags.

**Voice Dial Delete All**

Allows you to delete all voice tags. The corresponding phone numbers remain in the phonebook but the voice tags are all deleted. Press the **Ok** soft key when the message 'Delete All confirm?' is displayed.

Otherwise, press the **Cancel** soft key to exit the function without deleting the voice tags.

## Voice Functions

**Voice Command***Menu 3-2*

This menu allows you to get a quick access to the frequently used menus by saying your own voice command.

You can select the following functions:

**Voice Command Record:** The 20 most frequently used menu functions are programmable with your own voice commands. The menus are preset to **OFF** at the factory, indicating that they are not recorded. When voice commands are recorded successfully, the menus are changed to **ON** in the display.

**Voice Command Act:** Use this menu to access the menu of the recorded voice commands.

**Voice Command Play All:** Plays all voice commands you have recorded.

**Voice Command Delete All :** Deletes all commands you have recorded.

**Voice Memo***Menu 3-3*

You can use the Voice Memo feature to :

- Record up to 3 voice memos
- Play the recorded voice memos
- Delete one or all voice memos

## Voice Functions

**Voice Memo Record:** Allows you to record a memo. The screen displays the:

- Memo location
- Date and time when the memo was recorded
- Recording time counter

The maximum recording time is about 35 seconds. If you want to record for longer, press the **Continue** soft key. **Split** appears instead of **Continue**. You can continue recording and the rest of the memo is stored in the next memo location.

To stop recording, press the **Stop** soft key.

**Note:** If all memo locations are full, you must delete an old memo before recording a new one.

**Voice Memo Replay:** Allows you to play back all memos recorded, starting with the most recent memo. The screen displays the:

- Memo location
- Date and time when the memo was recorded.

To skip to the next memo, press the **Skip** soft key, to stop the playback, press the **Stop** soft key.

**Voice Memo Delete One:** Allows you to delete a specific memo. All memos recorded are played back, starting with the most recent one.

**Voice Memo Delete All:** Allows you to delete all memos. Press the **Ok** soft key to confirm.

## Voice Functions

## AnswerPhone

Menu 3-4

You can set your phone to answer calls with your own recorded message.

You can use the message to inform callers of your current situation and to guide them to leaving messages in your voice mail.

While the message is being played, if you wish, you can take the call by pressing the **Accept** soft key.

The following options are available.

**AnswerPhone:** To turn off the AnswerPhone, select **Disable**, to turn on, select **Enable**.

**Message Record:** You can record for up to 35 seconds. To stop recording before the time is up, press the **Stop** soft key. To change the message, use the **Delete** option, and record a new one.

**Message Select:** The phone offers two default messages, and one message of your own. You can select **User Message** only when you have recorded your own message.

# Tones



You can use the Tones menu to customise various sound settings, such as the:

- Ringing tone, volume and type
- Composing your own melody
- Sounds made when you press a key, make an error or receive a message

## Ring Tone

Menu 4-1

This option allows you to select the phones ringing tone. You can choose between many different tones and each time you select a tone it is played for a few seconds.

If your SIM card supports ALS, this option also allows you to select a different ring tone for each line. If you set a different ring tone for each line, you can distinguish between incoming calls.

## Tones

## Melody Composer

Menu 4-2

This menu allows you to compose your own, customised ringing tone.

- Three octaves are available.
- A maximum of 100 notes can be entered.
- Adjustable length of note and note rest.

### To Compose Melody

You can compose three melodies. When you access the menu, the melody name appears, if already created. Otherwise, **Empty** appears. Select **Empty** to create a new melody or select the melody's name that you want to edit.

Use the following keys to compose a melody:

: to enter C, the first note in the musical scale (doh).

: to enter D (re).

: to enter E (mi).

: to enter F (fa).

: to enter G (soh).

: to enter A (la).

: to enter B (ti).

: to raise an octave higher or drop an octave lower.

: Not available

: to enter a note rest. Press until you find the desired length of rest.

: to raise one semitone above the tone written. Example: If you want to enter a F sharp, press F (fa) then press .

## Tones



: to delete notes.



: to move a note to the next semitone higher position or lower position in the musical scale. For example, the note A moves A#, B, C, C# in the scale each time you press



: to adjust a length of a note. Enter a note, then press

You can listen to your melody by pressing the **Listen** soft key. If you are satisfied, press the **Yes** soft key, and enter the melody name. For information on how to enter a name, refer to page 41.

**Note:** If you want to cancel your composing, press . The display goes back to the previous menu level, the screen displaying **Empty**.

After you save the melody, the display asks you if you want to set the melody as the ring tone. If you select **Yes**, your phone plays the melody each time your phone rings. If you select **No**, the melody is just saved and the phone returns to the idle mode.

### To Delete a Selected Melody

1. Select the melody you want to delete.
2. Press and hold for a few seconds. All notes will be erased.
3. Press the **Listen** soft key. The display asks you if you are sure you want to erase the melody. Select the **Yes** soft key.

## Tones

## Ring Volume

Menu 4-3

Allows you to adjust the ringing volume to one of seven levels. Use the volume keys on the left side of the phone or the or keys. The greater the number of bars, the greater the volume level.

## Alert Type

Menu 4-4

Allows you to indicate how you are to be informed of any incoming calls. The following options are available.

**Light only:** only the backlight is switched on; the phone neither rings nor vibrates.

**Melody:** the phone rings using the ringing tone selected via menu option **4-1**.

**Vibration:** the phone vibrates but does not ring.

**Vibra+Melody:** the phone both rings and vibrates.

**Note:** Pressing and holding down toggles between the current alert type and **Vibration**.



## Tones

## Keypad Tone

*Menu 4-5*

Allows you to select the tone that the keypad generates when you press a key. The following options are available.

**OFF:** the keys do not make any sound.

**Tone:** each key, when pressed, makes a different sound.

**Beep:** each key, when pressed, makes the same sound.

## Message Tone

*Menu 4-6*

Allows you to select how the phone informs you that a new message has been received. The following options are available.

**SMS Tone 1 ~ SMS Tone 10:** the phone sounds the selected SMS tone.

**Single Beep:** the phone beeps once.

**Light Only:** the service light on the top of the phone flashes.

## Tones

## Error Tone

*Menu 4-7*

Allows you to select how the phone informs you that you have made a mistake. The following options are available.

**OFF:** the phone does not beep.

**ON:** the phone beeps to indicate an invalid entry.

## Minute Minder

*Menu 4-8*

Allows you to specify whether the phone must beep every minute during an outgoing call to keep you informed of the length of your call. The following options are available.

**OFF:** the phone does not beep.

**ON:** the phone beeps every minute.

## Connect Tone

*Menu 4-9*

Allows you to specify whether the phone should beep when the phone connects to the network. The following options are available.

**OFF:** the phone does not beep.

**ON:** the phone beeps when your call is accepted.

# Settings



Many different features of your phone can be customised to suit your preferences. All of these features are accessed via the **Settings** menu.

## Phone Settings

Menu 5-1


### Greeting Message

Allows you to set a greeting message to be displayed briefly when the phone is switched on. The current message is displayed.

#### To...

Clear the existing message


#### Then press the...

 key and hold it down until the message is cleared.

Enter a new message

Appropriate alphanumeric keys.



For more information on entering characters, refer to page 41.

To go back to the previous menu level without saving your input, press .

## Settings

### Own Number

**Note:** The contents of this menu may be different depending on the SIM card.

You can enter your own name and number using this menu. If you have subscribed to the Alternative Line Service, you can select a line with  or .

The following options are available:

**Add:** allows you to add name and number.

**Erase:** allows you to erase name and number.

**Edit:** allows you to edit name and number. If your SIM card supports ALS only the **Edit** soft key displays. Press the **Edit** soft key and you can setup or edit your own name for the ALS line.


### Language




You can set a different setting for the text language and voice language. When the language option of your SIM card is set to **Automatic**, the language is automatically selected according to the language of the SIM card used.

You can also set the default text input mode. For details on the text input mode, refer to page 41.

## Settings

**Any-key Answer**

Depending on the setting of the **Any-key Answer** option, you can answer an incoming call by pressing any key except  and the **Reject** soft key.

To reject the call, press  or the **Reject** soft key. When the phone is closed, press  or  on the left side of the phone to reject an incoming call. ( If the **Any-key Answer** menu option (5-1-4) is set to **ON**, just press, if it's **OFF** press and hold the button.)

**ON:** you can press any key except  and **Reject**.

**OFF:** you can only press  or **Accept** keys.

**Backlight**

You can select whether or not the phone uses the backlight. A marginal increase in standby/talk time can be achieved by turning the backlight off. The following options are available.

**Short:** the backlight comes on when you press a key or receive a call and switches off 10 seconds after the last key is pressed.

**Long:** the backlight comes on when you press a key or receive a call and switches off 20 seconds after the last key is pressed.

**OFF:** the backlight is not used.

## Settings

**Service Light**

Allows you to select whether or not the service light on the top of the phone is used. The following options are available.

**ON:** the service light flashes when the phone is ready for use.

**OFF:** the service light is not used.

**Auto Redial**

With the Auto Redial function, the phone makes up to ten attempts to redial a phone number after an unsuccessful call.

**Note:** The interval between two call attempts varies.

The following options are available.

**ON:** the number is redialled automatically.

**OFF:** the number is not redialled.

**Auto Answer**

With the Auto Answer function, the phone automatically answers calls after 3, 5 or 10 seconds. You can also turn this feature off.

**Note:** This feature is only available when the phone is connected to a car kit (optional).

## Settings

**Caller ID**

You can prevent your phone number from being displayed on the phone of the person being called.

**Note:** Some networks do not allow the user to change this setting.

The following options are available.

**Default:** the default setting provided by the network is used.

**Hide Number:** your number is not displayed on the other person's phone.

**Send Number:** your number is sent each time you make a call.

**Active Folder**

The voice dial and voice command mode can be activated automatically whenever the phone is opened.

The following options are available.

**OFF:** the voice dial mode must be activated manually via the Voice Dial menu; for further information, refer to page 85.

**Voice Dial:** the voice dial mode is activated when you open the phone.

**Voice Command:** the voice command mode is activated when you open the phone.

## Settings

**Reset Settings**

You can easily reset your phone to its default configuration. Before proceeding, you must enter the phone's 4-digit password.

**Note:** The password is preset to 0000. To change this password, refer to page 113.

**Active Line**

Some SIM cards may be used with two subscriber numbers (network service). This function is available only if your SIM card supports it.

This menu allows you to select the desired line for making calls. However, calls on both lines can be answered regardless of the selected line. When you select a line, the line number appears as an indicator after the operator/service provider's names.

When you select the **Manual** option, you can choose a line whenever you are in call barring, diverting, waiting function, and there is no indicator to show the active line.

## Settings

## Network Services

Menu 5-2

These menu functions are network services. Please contact your service provider to check their availability and subscribe to them, if you so wish.

## Call Diverting

**Note:** The call divert options that are not supported by your network operator may not be shown.

This network service enables incoming calls to be rerouted to the number that you specify.

Example: You may wish to divert your business calls to a colleague while you are on holiday.

Call diverting can be set up in the following ways.

**Divert Always:** all calls are diverted.

**Busy:** calls are diverted if your phone is engaged on another call.

**No Reply:** calls are diverted if you do not answer the phone.

**Unreachable:** calls are diverted if you are not in an area covered by your service provider.

**Unavailable:** Calls are diverted if you are busy. No replay, unreachable.

**Cancel All:** all call diverting options are cancelled.

**Note:** These options may be different depending on the SIM card.

## Settings






You can specify individual diverting options for each of the following call types:

- Voice calls only
- Fax calls only ; not available when a Line 2 is in use
- Data calls only ; not available when a Line 2 is in use.

Example: You can:

- Systematically divert fax calls to your office fax machine
- Divert voice calls to your colleague if you are already using the phone

To set your call diverting options, proceed as follows.

1. Select the type of call diverting required by pressing  or  until the appropriate option is highlighted, and then press **Select**.
2. Select the type of calls to be diverted by pressing  or  until the appropriate option is highlighted and then press **Select**.
3. Press the **Activate** soft key to confirm your settings.
4. You can enter the number of your choice. To enter the international code, press  until the + sign is displayed. You can also select a number in the phonebook or the voice server number, by pressing the **Options** soft key, followed by **PhoneBook** or **Voice Server Number**.

When you are satisfied, press the **Send** or **Ok** soft key; the phone sends your setting to the network and the network's acknowledgement is displayed.


## Settings

To deactivate specific call diverting settings, proceed as follows.

1. Select the call diverting option to be deactivated.
2. Select the type of call to which this option applies.
3. Press the **Remove** soft key.

The phone sends your settings to the network and the network's acknowledgement is displayed.

You can also deactivate all call diverting settings by selecting the **Cancel All** option.

**Note:** When all calls are diverted the divert icon(  ) is displayed on the last line of the display.

## Settings

## Call Barring

The call barring network service allows you to restrict your calls.

Call barring can be set up in the following ways.

**All outgoing:** calls cannot be made.

**International:** international calls cannot be made.





**International except to home:** when abroad, calls can be made only to numbers within the current country and to your home country, that is the country where your home network provider is located.

**All Incoming:** calls cannot be received.

**Incoming while abroad:** calls cannot be received when you are using your phone outside your home service area.

**Cancel All:** all call barring settings are deactivated; calls can be made and received normally.

To set your call barring options, proceed as follows.

1. Select the type of call barring required by pressing  or  until the appropriate option is highlighted and then press **Select**.
2. Select the type of calls to be barred by pressing  or  until the appropriate option is highlighted and then press **Select**.
3. Press the **Activate** soft key to confirm your settings.

## Settings

4. Enter your call barring password supplied by your service provider.

The phone sends your settings to the network and the network's acknowledgement is displayed.

To deactivate specific call barring settings, proceed as follows.

1. Select the call barring option to be deactivated.
2. Select the type of call to which this option applies.
3. Press the **Remove** soft key.
4. Enter your call barring password supplied by your service provider.

The phone sends your settings to the network and the network's acknowledgement is displayed.

You can also deactivate all call barring settings by selecting the **Cancel All** option.

**Change Barring Password:** you can set and change the call barring password obtained from your service provider using this option. You must enter the current password before you can specify a new one.



Once you have entered a new password, you are asked to confirm it by entering it again.

## Settings

## Call Waiting

This network service enables you to be informed when someone is trying to reach you during another call.

To set your call waiting options, proceed as follows.

1. Select the type of calls to which the call waiting option is to be applied by pressing  or  until the appropriate option is highlighted and then press **Select**.
2. Press the **Activate** soft key to confirm your settings.

The phone sends your settings to the network and the network's acknowledgement is displayed.

To deactivate specific call waiting settings, proceed as follows.

1. Select the type of call to which the option applies.
2. Press the **Deactivate** soft key.

The phone sends your settings to the network and the network's acknowledgement is displayed.

You can also deactivate all call waiting settings by selecting the **Cancel All** option.

## Settings

**Network Selection**



The Network Selection feature enables you to:

- Indicate whether the network used when roaming (outside your home area) is selected automatically or manually
- Set up a preferred list to be used when selecting a network automatically

**Note:** You can select a network other than your home network only if it has a valid roaming agreement with your home network.



To indicate whether the network is to be selected automatically or manually when roaming, proceed as follows.

1. When **Network Select** is displayed, press the **Select** soft key.

2. Press  or  until the appropriate option is highlighted and press **Ok**.

If you select **Automatic**, you are connected to the first available network in the preferred list when roaming.

If you select **Manual**, the phone scans for the available networks. Go to Step 3.

3. Press  or  until the preferred network is highlighted and press **Ok**.

You are connected to that network when roaming.

## Settings

**Preferred List:** allows you to list your preferred networks to be used when roaming. Your phone uses the networks in order of appearance in this list, provided that the network is available.

When you select this option, the current preferred list is displayed if it already exists (see the procedure below). Otherwise, the list of available networks is displayed directly (see Step 2).



1. **To...**



Scroll through the preferred list

**Then press the...**

 or  key.

Change an entry in the preferred list

 or  key to highlight the required entry, followed by the **Edit** soft key.

2. Select the network to be added to the list by pressing  or  until it is highlighted, followed by **Select**.

The network is added to the list.



## Settings

**Line Identification**

This menu option lets you view the following line identification settings.

**CLIP** (Calling Line Identification Presentation) /  
**COLP** (Connected Line Identification Presentation)

If these network functions are active, the caller's number is displayed during a call. If the phone number matches one stored in the phonebook, the caller's name is also displayed.

**CLIR** (Calling Line Identification Restriction) /  
**COLR** (Connected Line Identification Restriction)

If these network functions are active, your phone number is not displayed on the called person's phone.

**Closed User Group (CUG)**

This network service allows incoming and outgoing calls to be restricted to a selected user group. You may be a member of up to 10 user groups. For details on how to create, activate and use a closed user group, contact your service provider.

Example: A company lends SIM cards to its employees and wants to restrict outgoing calls to members of the same team.

**Activating a Closed User Group**

If you select the **Closed User Group** menu, you are asked if you want to activate the CUG function. Press the **Yes** soft key. You can now access the following options.

## Settings

**Deactivate:** deactivates the CUG function.

**Index List:** lets you list, add or delete CUG index numbers. The list of current CUG indexes appears. Add a new CUG index (as advised by your service provider) or delete a selected group.

**To...**

Scroll through the existing CUG indexes



Add a new CUG index

Delete a CUG index

**Then press the...**

 or  key.

**Options** soft key, select **Add** and enter the index.

 or  key to select the index you want to delete, press the **Options** soft key and select **Delete**.

**Outside Access:** enables you to allow or prohibit calls to numbers other than those nominated for the Closed User Group. This feature depends on the nature of your CUG subscription. Please check with your service provider.

**Default Group:** you may communicate a default CUG to your service provider. If you have done so, you can enable the **Default Group** option on your phone. When making a call, you will be given the option of using your default CUG, instead of selecting one from the list.

## Settings

## Security Settings

Menu 5-3

The Security feature enables you to restrict the use of your phone to:

- The people of your choice
- The types of calls of your choice

Various codes and passwords are used to protect the features of your phone. They are described in the following sections (also see page 137).

### PIN Check

When the PIN Check feature is enabled, you must enter your PIN each time you switch the phone on. Any person who does not have your PIN cannot, therefore, use your phone without your approval.

**Note:** Before disabling the PIN Check feature, you must enter your PIN.

To change your PIN, refer to menu option **5-3-2** opposite.

The following options are available.

**Enable:** you must enter the PIN each time the phone is switched on.

**Disable:** the phone connects directly to the network when you switch it on.

## Settings

## Change PIN

This feature allows you to change your current PIN to a new one, provided that the PIN Check feature is enabled. You must enter the current PIN before you can specify a new one.

Once you have entered a new PIN, you are asked to confirm it by entering it again.

### Phone Lock

When the Phone Lock feature is enabled, the phone is locked and you must enter the 4-digit phone password each time the phone is switched on.

The password is factory set to 0000. To change the phone password, refer to menu option **5-3-4**. Once the correct password has been entered, you can use the phone until you switch it off.

The following options are available.

**Enable:** you are required to enter the phone password when you switch the phone on.

**Disable:** you are not asked to enter the phone password when you switch the phone on.

### Change Password

The Change Password feature allows you to change your current phone password to a new one. You must enter the current password before you can specify a new one.

The password is factory set to 0000. Once you have entered a new password, you are asked to confirm it by entering it again.

## Settings

**SIM Lock**

When the SIM Lock feature is enabled, your phone only works with the current SIM. You must enter the SIM lock code.

Once you have entered the lock code, you are asked to confirm it by entering it again.

To unlock the SIM, you must enter the SIM lock code.

**FDN Mode**

The FDN(Fixed Dial Number) mode, if supported by your SIM card, allows you to restrict your outgoing calls to a limited set of phone numbers.

The following options are available.

**Enable:** you can only call phone numbers stored in the phonebook. You must enter your PIN2.

**Disable:** you can phone any number.

**Note:** Not all SIM cards have a PIN2. If your SIM card does not, this menu option is not displayed.

To change your PIN2, refer to menu option **5-3-7** below.

**Change PIN2**

The Change PIN2 feature allows you to change your current PIN2 to a new one. You must enter the current PIN2 before you can specify a new one.



Once you have entered a new PIN2, you are asked to confirm it by entering it again.

**Note:** Not all SIM cards have a PIN2. If your SIM card does not, this menu option is not displayed.

## Settings

**LCD Contrast***Menu 5-4*

The LCD contrast menu enables you to adjust the contrast of the main LCD screen.

Press  to increase or  to decrease the contrast.

## Settings

**Browser Settings**

Menu 5-5

**Note:** This menu may not be shown dependent on your network service provider.

You can setup several proxies using the **Proxy Settings** menu (5-5-1), and you can choose one of those for a current proxy using the **Current Proxy** menu (5-5-2). Each proxy has following information. These may vary depending on your service provider. Contact the service provider for details.

**Proxy Name:** Enter the name of proxy.

**WDP Address:** Enter the WDPaddress.

**Port Number:** Enter the number of the port to be used for connecting the gateway.

**Home URL:** Enter the URL of your home.

**Access Point :** Enter following settings.

**NAS Phone Number:** You can set the number of the PPPserver.

**Login Name:** You can set the login name of the PPP server. You can ignore it, if it's not necessary.

**Password:** You can set the password of the PPP server. You can ignore it, if it's not necessary.

**Network Type:** You can select one of network type among V.32 Transparent, V.32 Non-Transparent, V.110 Transparent and V.110 Non-Transparent.

**Organizer**

The Organizer feature enables you to:

- Write your schedule or to do list
- Calculate
- Check the calendar
- Set the current date and time
- Set the alarm so that the phone rings at a specific time (to remind you of an appointment for example)
- Find out what time it is in various cities around the world

**Scheduler**

Menu 6-1

The Scheduler helps you to keep track of reminders, calls that you need to make, meetings, and birthdays. The phone sounds an alarm tone when the set date for a birthday, reminder or a call is reached.

**Note:** Your phone must be switched on to use this function.

When you access the **Scheduler** menu, the following options are available:





**Go to date:** allows you to enter a particular date and to make a schedule on that date.


**View All:** shows the schedules you have made.

**Delete All:** deletes all the schedules you have made.

## Organizer

To create a new schedule, proceed as follows.

1. When a calendar screen appears, select the month by using the volume key on the left side of the phone, select the week by using  or , and select the day by using  and . You can also use the **Go to date** menu option to specify the date.



**Note:** If you want to cancel your selection in the Calendar screen, press . The phone goes back to the previous menu level.

2. When you press the **Ok** soft key, you can select a schedule type. Four types are available:
  - **Reminder:** requires contents and a time.
  - **Call:** requires a phone number and a time.
  - **Meeting:** requires contents and a time.
  - **Birthday:** requires a name and a time.
3. Enter the content of the schedule. For details on how to enter text, refer to page 41.
4. If you want to set an alarm on the scheduled date and time, select **Yes** when the phone asks you to set alarm and specify the alarm time.

If you select **No**, the phone just saves the schedule and returns to idle mode.

## Organizer

A date when a schedule has already been created appears in bold. If you select a date when a schedule has already been created you will see the contents.

**Note:** If you have created more than two schedules for a day, you can scroll to the desired schedule by pressing  or .

The following options are available:

**Add:** allows you to add new contents. For details on entering text, see page 41.

**Delete:** deletes the schedule.

**Move:** moves the schedule to a new date of your choice.

**Copy:** copies the schedule to a new date of your choice.

**Delete Day:** deletes schedules on the date.

## Alarm

### Menu 6-2

This option allows you to set the alarm to ring at a specific time. The following alarms are available. You can set one or more alarms.

**Daily Alarm:** the alarm rings (at the same time) every day.

**Once Alarm:** the alarm rings only once and is then deactivated.

**Weekly Alarm:** the alarm rings every week on the same day and at the same time.

**Alarm Tone:** allows you to select a specific tone for the alarm ringer.

## Organizer

To set the alarm, proceed as follows.

1. Select an alarm type by pressing the **Select** soft key.
2. **Set Alarm** option allows you to set the alarm time or days of the week.

If you choose **Weekly Alarm**, select the required day of the week and press . The \* symbol appears to indicate that the day is selected. Repeat as necessary.

To remove it, press .

You can set more than one day.

3. Press the **Ok** soft key.
4. Enter the required time, then press the **Ok** soft key.

**Alarm Activated** is displayed.

Once an alarm has been set, you can see the alarm icon () in the top of the display. To stop the alarm when it rings, open the phone and press any key.

To deactivate the alarm, select **Remove Alarm**.

**Note:** If no battery is attached to the phone when the alarm is to ring or the battery is discharged, the alarm does not ring. A daily or weekly alarm, however, remains activated and will ring when next triggered, provided that the phone is powered by a battery.

## Organizer

## Calculator

## Menu 6-3

You can use the phone as a 9-digit calculator. The calculator performs basic mathematical functions; addition, subtraction, multiplication, division. Percentage operation is also available.

To use the calculator, proceed as follows.



























1. To start calculating, press the **Ok** soft key.
2. Enter the first figure using the number keys.
3. Press the **Operator** soft key until you find the desired mathematical symbol; **+** (add), **-** (subtract), **x** (multiply), **/** (divide).
4. Enter the second figure.
5. Repeat Steps 2 and 3 if necessary.
6. To get the result, press the **Equal** soft key or .


To fix an entry mistake or clear the display, use .


To use decimal point, press . It calculates to two decimal places.

## Organizer

Examples:

Expression	Key operation	Result
12*3+5=	12x3+5  (or  )	41
34+57=	34+57  (or  )	91
45+57=	45  (or  )	102
48-23=	48-23  (or  )	25
14-23=	14  (or  )	-9
68*25=	68x25  (or  )	1700
68*40=	40  (or  )	2720
35/14=	35/14  (or  )	2.5
98/14=	98  (or  )	7
10% of 200	200x10 	20
10=? % of 100	10/100 	10
10% premium of 200	200+10 	220
10% discount of 200	200-10 	180
square of 4	4x  (or  )	16
reciprocal of 8	8/  (or  )	0.12

(: left soft key)

**Note:** When you have finished with the calculator, press  to exit the calculator and return to the previous menu level.

## Organizer


## To Do List

Menu 6-4

This menu allows you to write a job list with priorities and deadlines and also sort the jobs according to their priority type or their status. If you don't have any items in the list, proceed as follows to make your to do list.

1. press the **New** soft key to input a new item.
2. Input your details.  
For information on how to enter characters, see page 41.
3. Press the **Ok** soft key.
4. Select the priority type using the **Select** soft key.  
(1 or 2)
5. Input deadline.
6. Press the **Yes** soft key.

If you have any other items in the list, you can see the list in the display with a mark box, priority level and job details.

To see the detailed contents of an item, press the **View** soft key. In this view, if you press , a mark box, date created and time will be displayed.

To mark your item, press . The key toggles between marking and unmarking the viewed job.

## Organizer

You can choose the following options, by pressing the **Options** soft key.

**New** : allows you to write new item.

**Mark** : allows you to mark an item or job.

**Edit** : allows you to edit your item's details.

**Sort** : allows you to sort according to priority 1, priority 2, or marking status.

**Copy** : copies one item to another.





**Delete** : deletes the item.

**Delete All** : deletes all items.

## Calendar

Menu 6-5

You can view calendars of 1900 through to 2099. You can also view some information on the bottom-right of the display. The form of the information looks like this— 69:11:296. These numbers represent the number of days passed, the number of weeks passed, and the number of days left in this year.

- Use  or  to moves to the next day or back to a previous day.
- Use  or  to moves to the next week or back to a previous week.
- Use the volume key on the left side of the phone to move to the next or previous month.



You can see another date by selecting the **Goto** softkey.

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## Organizer

## World Time

Menu 6-6

You can use your phone to check the current time in 21 major cities around the world. Scroll through the cities using  or .

The screen shows the:

- City name
- Current date and time
- Time difference between the selected city and your city if you have set the local time (see below for further details) or GMT (by default)

To select the time zone in which you are located, proceed as follows.

1. Select the city corresponding to your time zone by pressing  or  one or more times.

The local date and time are displayed.

2. Press the **Set** soft key.

3. **To...**

Update the current date/time with this new setting

Indicate that the time zone is currently using the daylight saving time

Indicate that the time zone is no longer using the daylight saving time

**Then press the...**

**Set Local** soft key.

**Set DST** soft key.  
A check mark is shown next to the time difference.

**Remove DST** soft key  
(only available when the check mark is shown next to the time difference).

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## Organizer

## Clock

Menu 6-7

## Set Time

Allows you to change the time displayed, using the 24-hour system.

**Note:** Before setting the time, you must specify your time zone, via the **World Time** menu option (6-6).

## Set Date

Allows you to change the date displayed. Enter the day, month and year.

## Format

Allows you to select the format of date between DD/MM/YYYY and MM/DD/YYYY.

## Games





Using this menu you can also enjoy popular games on the phone.


1. Scroll to the desired game and press the **Select** soft key.



2. The following options are available.

**Play:** allows you to start a game.


**Level:** appears when it is needed. It allows you to select the level. Select the desired level with  or  and press the **Ok** soft key.

**Configuration:** allows you to set phone configuration, such as backlight and sound.

To adjust each setting, highlight the Backlight or Sound option by pressing  or  key and then toggle between on and off by pressing the On/Off soft key.

**Instructions:** shows you a help text for the game. You can scroll up or down with  or .

**High Score:** shows you the game's high score list.

While playing a game, to exit and go up a menu, press .

When you have finished the game, if you have recorded a high score, the phone will display the high score screen.

# WWW Services



## WWW Services

You can use your phone as a web browser. You can obtain up to date news, weather, sport, and other information as well as use e-mail and other Internet services.

Please contact your service provider to open your Internet account. You must have entered your **Own Number (5-1-2)** information correctly in order to use wireless web services.

## Launching the Browser

To launch the browser, from the idle mode, press or press **Menu** soft key and then .

Once connected, the Home page (or the last page visited) will be displayed. What appears on the display when accessing the Web browser is dependent on the service provider content.

## Exiting the Browser

Press to exit the browser at any time, then the idle screen will be displayed.



## Navigating the Browser

You can navigate the Internet with phone keys and the Browser Menu.

### Using the Phone Keys

When navigating the Internet, the phone keys functions differently from in the phone mode.

To...	Then press...
Scroll each line of content area	or
Move back to the previous page	(except on the homepage)
Move to the opening homepage	And hold  anywhere

### Using the Browser Menus

There are various menus available when navigating the wireless web.

To access the Browser Menu:

1. Press . A list of menus will appear.
2. Find the desired menu using or .
3. Press the **OK** soft key to enter the selected menu.
4. If necessary, select the secondary option using or , and press the **OK** soft key to enter the option.

## WWW Services

**Note:** The browser menus may vary depending on your version of the browser.

The following menus are available:

- **Reload:** reloads the current site.
- **Home:** takes you back to the homepage of the wireless web provider at any time.
- **Bookmarks:** shows the list and allows you to go to the page you want.
- **Mark Site:** adds the current site to your bookmark.
- **About Phone.com:** shows the version of the browser.
- **Advanced...:** offers you more menus to use the browser. Some menus are not supported by your network operator.

Show URL: shows the URL of the current page.

HomePage: moves to the homepage.

Set UP.Link: sets a UP.Link which you want.

Offline Services: allows you to copy and save web pages that will allow you to view them, even if the network is down.

Outbox: stores outgoing requests from the browser for later processing.

Restart Up. Browser: clears the cache memory and moves to the homepage.

Encryption: allows you to verify and generate the security key to contact a server.

## WWW Services






## Entering Text, Numbers, or Symbols

When you are prompted to enter text, the current text entry method will appear on the left soft key as abc/Abc/ABC, Num or SYM 1 ~ 4. To change the input mode, use the left soft key until the desired mode is displayed.


**abc/Abc/ABC:** enters lower case and upper case letters. You can change modes by pressing .

**SYM1 ~ 4:** enters the various symbols and punctuation. Press the **More** soft key to see more tables.

**Num:** enters numbers.

If you want to edit text, move the cursor using  (left),  (right),  (up), or  (down) keys to the desired position and clear the wrong letter by pressing . Then enter the correct letter.

## Network Connecting Information

If you want to check the network connection time, press and hold . You can see the connection time in the last line of the content area.

The linger time is one or more minutes (It depends on your service provider). That means, if you don't use the browser for one or more minutes, the network is disconnected automatically. In this case you can see that the connection time was stopped at that point. The connection time will reset whenever you exit the browser.

# Additional Services

## Additional Services

### ALS(Alternate Line Service)

**Note:** Please contact your service provider to check the availability and how to subscribe to ALS.

The ALS feature enables two lines to be associated with one SIM card. Consequently, you can make and receive calls on either line as required. If you subscribe to this network service, a few additional menu options enable you to set up this feature.

#### 1. Selecting a Line

You can set a line for use, or manually for each call with the **Active Line** Menu (**5-1-12**). For further details, refer to page 101.

#### 2. Editing the Line Name

You can edit the name of each line with the **Own Number** Menu (**5-1-2**).

When you edit the name of a line, you can see the name in every menu string which are shown as "Line 1" or "Line 2". For further details, refer to page 97.

#### 3. Setting the Ring Type

To distinguish between incoming calls on the two lines, you can select a different ring type for each line with the **Ring Tone** Menu (**4-1**).

#### 4. Setting Call Diverting Options

You can set up call diverting with **Call Diverting** Menu (**5-2-1**). This service enables incoming calls of the line which you want to be reroute to the number that you specify. Please see page 102 for further details.

# Solving Problems

Before contacting after-sales service, perform the following simple checks. They may save you the time and expense of an unnecessary service call.

## When you switch your phone on, the following messages appear

### Insert SIM Card

- Check that the SIM card is correctly installed.

### Phone Locked

- The automatic locking function has been enabled. You must enter the phone's password before you can use the phone.

### Enter PIN

- You are using your phone for the first time. You must enter the Personal Identification Number supplied with the SIM card.
- The option requiring that the PIN be entered each time the phone is switched on was enabled. You must enter your PIN and then disable this option if so required.

### Enter PUK


- The PIN code was entered wrongly three times in succession and the phone is now blocked. Enter the PUK supplied by your network operator.

## Solving Problems


### "No service" is displayed

- The network connection was lost. You may be in a weak reception area (in a tunnel or surrounded by buildings). Move and try again.
- You are trying to access an option for which you have not taken out a subscription with your service provider. Contact the service provider for further details.

### You have entered a number but it was not dialled

- Have you pressed  ?
- Are you accessing the right cellular network?
- You may have set an outgoing call barring option.

### Your correspondent cannot reach you

- Is your phone switched on ( pressed for more than one second)?
- Are you accessing the right cellular network?
- You may have set an incoming call barring option.

### Your correspondent cannot hear you speaking

- Have you switched off the microphone (**Mute** appears)?
- Are you holding the phone close enough to your mouth? The microphone is located in the bottom centre of the phone.

## Solving Problems

**The phone starts beeping and “\*\*Warning\*\* Battery Low” flashes in the display**

- The battery is insufficiently charged. Replace the battery and recharge it.

**The audio quality of the call is poor**

- Check the signal strength indicator in the display (📶); the number of bars after it indicates the signal strength from strong (📶) to weak (📶).
- Try moving the phone slightly or moving closer to a window if you are in a building.

**No number is dialled when you recall a phonebook entry**

- Check that the numbers have been stored correctly, by using the Phonebook Search feature.
- Re-store them, if necessary.

If the above guidelines do not enable you to solve the problem, take a note of:

- The model and serial numbers of your phone
- Your warranty details
- A clear description of the problem

Then contact your local dealer or SAMSUNG after-sales service.

## Reference Information

**Access Codes**

There are several access codes that are used by your phone and its SIM card. These codes help you protect the phone against unauthorised use.

The access codes (except for the PUK and PUK2 codes) can be changed using the Security Settings menu (5-3) options. See page 112 for further details.

**Phone Password**

This security code can be used to avoid unauthorised use of the phone. The security code 0000 is the factory default setting but you are advised to change the security code before you start using your phone. Keep the new code secret and in a safe place, which is separate from the phone.

If you key in an incorrect security code five times in succession, the phone will not accept the correct code for the next five minutes.

## Reference Information

**PIN code**

The PIN (Personal Identification Number) code protects your SIM card against unauthorised use. The PIN code is usually supplied with the SIM card. When the PIN code request is enabled (**Menu 5-3-1**), the code is asked each time the phone is switched on.

If you key in an incorrect PIN code three times in succession, key in the PUK code and press **Ok**. Key in a new PIN code and press **Ok**. Key in the new code again and press **Ok**.

**PIN2 code**

The PIN2 code, supplied with some SIM cards, is required to access some functions, such as charging unit counters. These functions are only available if supported by your SIM card.

If you key in an incorrect PIN2 code three times in succession, key in the PUK2 code and press **Ok**. Key in a new PIN2 code and press **Ok**. Key in the new code again and press **Ok**.

## Reference Information

**PUK code**

The PUK (Personal Unblocking Key) code is required to change a blocked PIN code. The PUK code may be supplied with the SIM card. If not, contact your local service provider for the code.

If you key in an incorrect PUK code ten times in succession, the SIM card cannot be used anymore. Contact your service provider for a new card.

You cannot change the PUK code. If you lose the code, contact your service provider.

**PUK2 code**

The PUK2 code, supplied with some SIM cards, is required to change a blocked PIN2 code.

If you key in an incorrect PUK2 code ten times in succession, you cannot use the functions requiring the PIN2 code. Contact your service provider for a new card.

You cannot change the PUK2 code. If you lose the code, contact your service provider.

**Barring Password**

The 4-digit barring password is required when you use the Call Barring function. You obtain the password from your service provider when you subscribe to this function.

## Reference Information

## Using the Batteries

Your phone is powered by a rechargeable Li-ion standard battery.

The following batteries are also available (ask your SAMSUNG dealer for further details):

- BSL0375 slim battery
- BST0378 standard battery

## Precautions When Using Batteries

- Never use any charger or battery that is damaged in any way.
- Use the battery only for its intended purpose.
- If you use the phone near the network's base station, it uses less power; talk and standby times are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.
- Battery charging times depend on the remaining battery charge and the type of battery and charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.
- If left unused, a fully charged battery will discharge itself over time.

## Reference Information

- Use only Samsung-approved batteries and recharge your battery only with Samsung-approved chargers. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life.
- Extreme temperatures will affect the charging capacity of your battery; it may require cooling or warming first.
- Do not leave the battery in hot or cold places, such as in a car in summer or winter conditions, as you will reduce the capacity and life-time of the battery. Always try to keep the battery at room temperature. A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. Li-ion batteries are particularly affected by temperatures below 0 °C (32 °F).
- Do not short-circuit the battery. Accidental short circuiting can occur when a metallic object (coin, clip or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the back of the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuit.
- Dispose of used batteries in accordance with local regulations. Always recycle. Do not dispose of batteries in a fire.



## Reference Information

## Safety Information

### Road Safety

- Remember, road safety always comes first!
- Do not use a hand-held phone while driving a vehicle. Always park the vehicle before having a conversation.
- Make sure that the phone is stored safely and will not fall or be broken in the event of a collision or emergency stop.
- The use of an alert device to operate a vehicle's lights or horn on public roads is not permitted.
- Only qualified personnel should install or service the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the unit.
- Electronic fuel injection, anti-skid braking, electronic cruise control or any other electronic systems may malfunction due to the lack of protection from radio signals. Check regularly that all cellular phone equipment in your vehicle is mounted and operating correctly.

## Reference Information

## Operating Environment

- Remember to follow any special regulations in force in any area and always switch off your phone whenever it is forbidden to use it, or when it may cause interference or danger (in a hospital for example).
- Operation of any radio transmitting equipment, including cellular phones, may interfere with inadequately protected medical devices. Consult a physician or the manufacturer of the medical device if you have any questions. Other electronic equipment may also be subject to interference.
- As with other mobile radio transmitting equipment, you are advised that for satisfactory operations and personal safety, the equipment should only be used in the normal operating position.
- The effect of the GSM transmit/duty cycle on hearing aids and pacemakers is being investigated, and there is potential hazards associated with use close to such personal medical electronic devices.
- Always switch off the phone when at a refuelling point (service station). You are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.

#### Reference Information

- Switch off your cellular phone when in an aircraft. The use of cellular phones in an aircraft is illegal and may be dangerous to the operation of the aircraft or disrupt the cellular network. Failure to observe these instructions may lead to the suspension or denial of cellular telephone services to the offender, legal action or both.

#### Care and Maintenance

Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill the warranty obligations and enjoy this product for many years.

- Keep the phone and all its parts and accessories out of the reach of small children.
- Keep the phone dry. Precipitation, humidity and liquids containing minerals will corrode the electronic circuits.
- Do not use or store the phone in dusty, dirty areas as its components may be damaged.
- Do not store the phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries and warp or melt certain plastics.
- Do not store the phone in cold areas. When the phone warms up (to its normal temperature), moisture can form inside the phone, which may damage the electronic circuits.

#### Reference Information

- Do not attempt to open the phone. Non-expert handling of the phone may damage it.
- Do not drop or knock the phone. Rough handling may damage the internal circuits.
- Do not use harsh chemicals, cleaning solvents or strong detergents to clean the phone. Wipe it with a soft cloth slightly dampened in mild, soapy water.
- If the phone or any of its accessories are not working properly, take them to your nearest qualified service centre. The personnel there will assist you, and if necessary, arrange for the phone to be repaired.

#### Emergency Calls

**Important!** This phone, like any cellular phone, uses radio signals, cellular and landline networks, as well as user-programmed functions that cannot guarantee connection in all conditions. Therefore, you should never rely solely on any cellular phone for essential communications (medical emergencies for example).

Remember, to make or receive any calls, the phone must be switched on and in a service area with adequate cellular signal strength.

Emergency calls may not be possible on all cellular phone networks or when certain network services and/or phone features are in use. Check with local cellular service providers.

# Glossary

## Glossary

To help you understand the main technical terms and abbreviations used in this booklet and take full advantage of the features on your mobile phone, here are a few definitions.

### Active Folder

Ability to voice dial or voice command immediately on opening the phone.

### ALS(Alternate Line Service)

ALS provides the capability of associating two alternate lines with one SIM card. You can make and receive calls on either line as desired with this service.

### Call Barring

Ability to restrict outgoing and incoming calls.

### Call Diverting

Ability to reroute calls to another mobile or fixed line.

### Call Holding

Ability to put one call on standby while answering or making another call; you can then switch between the two calls, as required.

### Call Waiting

Ability to inform users that they have an incoming call when engaged on another call.

### GSM (Global System for Mobile Communication)

International standard for cellular communication, guaranteeing compatibility between the various network operators. GSM covers most European countries and many other parts of the world.

### Line Identification Services

Service allowing subscribers to view or block the telephone numbers of callers.

### Multi-party Calling

Ability to establish a conference call involving up to five additional parties.

### Phone's Password

Security code used to unlock the phone when you have selected the option to lock it automatically each time it switches on.

### PIN (Personal Identification Number)

Security code that protects the phone/SIM against unauthorised use. The PIN is supplied by the service provider with the SIM card. It may be a four to eight-digit number and can be changed, as required.

## Glossary

**PUK (PIN Unblocking Key)**

Security code used to unlock the phone when an incorrect PIN has been entered three times in succession. The eight-digit number is supplied by the service provider with the SIM card.

**Roaming**

Use of your phone when you are outside your home area (when travelling for example).

**SIM (Subscriber Identification Module)**

Card containing a chip with all the information required to operate the phone (network and memory information, as well as the subscriber's personal data). The SIM card fits into a small slot on the back of the phone and is protected by the battery.

**SMS (Short Message Service)**

Network service sending and receiving messages to and from another subscriber without having to speak to the correspondent. The message created or received (up to 160 characters long) can be displayed, received, edited or sent.

## Glossary

**Soft Keys**

 and  on the phone, the purpose of which:

- Varies according to the function that you are currently using
- Is indicated on the bottom line of the display just above the corresponding key

**Voice Mail**

Computerised answering service that automatically answers your calls when you are not available, plays a greeting (optionally in your own voice) and records a message.

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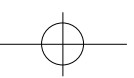
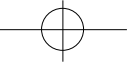
SGH-A288 GSM Telephone







Quick Reference Card

How to Access the Menu Function	<ol style="list-style-type: none"><li>① Press the <b>Menu</b> soft key.</li><li>② Scroll with  or  through the list of menus until you reach the required menu.</li><li>③ Press the <b>Select</b> soft key.</li><li>④ Scroll with  or  through the list of setting options until the required option is selected.</li><li>⑤ Press the <b>Ok</b> soft key to confirm.</li></ol>
---------------------------------	--

- Each of the two soft keys ( and ) performs the function indicated by the text above it (bottom line in the display).

Switch On/Off	Press and hold 
Make a Call	<i>(Direct Call)</i> <ol style="list-style-type: none"><li>① Key in the number.</li><li>② Press  <i>(Voice Dial)</i></li></ol> <p>Provided that the name is recorded and the <b>Active Flip</b> menu option (<b>5-1-0</b>) is set to <b>Voice Dial</b></p> <ol style="list-style-type: none"><li>① Open the phone.</li><li>② Say the name. </li></ol>
End a Call	Briefly press 



Answer a Call	Open the phone <i>or</i> Press  .	Search for a Number in the PhoneBook	<ol style="list-style-type: none"><li>1 Press the <b>PhoneBook</b> soft key.</li><li>2 Enter the start of the name.</li><li>3 Press the <b>Find</b> soft key.</li><li>4 To scroll through the names, press  or .</li><li>5 To make a call, press .</li></ol>
Adjust the Volume	Press  or  on the left side of the phone.		
Store Numbers in the PhoneBook	<ol style="list-style-type: none"><li>1 Type in the number.</li><li>2 Press the <b>Save</b> soft key.</li><li>3 Enter the name.</li><li>4 Press the <b>Save</b> soft key.</li><li>5 If necessary, change the location.</li><li>6 Press the <b>Ok</b> soft key.</li></ol>	Record a Name for Voice Dialling	<ol style="list-style-type: none"><li>1 Press the <b>PhoneBook</b> soft key.</li><li>2 Press the <b>Option</b> soft key.</li><li>3 Select the <b>Voice Record</b> option.</li><li>4 Record the name and follow the instructions.</li></ol>

